

Mountainland Technical College

2026-2027 Catalog

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Attendance Policy

Because MTECH programs include significant hands-on and skills-based training, regular attendance is essential to student success. The college-wide minimum attendance standard is 85%. However, some programs may require a higher attendance standard due to industry licensure or certification requirements.

Failure to meet program attendance requirements may result in a student being unable to complete required competencies, participate in clinical or lab experiences, qualify for certification or licensure examinations, or meet industry employment standards.

Program-specific attendance requirements will be communicated by instructors and outlined in program syllabi.

For additional information, refer to Policy 600.611 and Procedure 600.611A Progress and Attendance.

Institutional Policies

Admissions and Enrollment Policy

Progress and Attendance Policy

Grading Policy

Student Due Process Policy

Student Privacy and Access of Records Policy

Student Transcripts Procedure

Registration and Transfer Policy

STUDENT CODE OF CONDUCT POLICY

STUDENT SUPPORT | 600.616

Last Evaluation

10/20/2025

Executive Staff Approval

10/20/2025

Board Approval

1/21/2026

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1. Policy Purpose

The Student Code of Conduct outlines the expectations for behavior, professionalism, and integrity at Mountainland Technical College (MTECH) for all students.

The Code of Conduct is rooted in MTECH's Mission, Vision, and Values to foster a positive and safe learning environment, prepare students for the workforce, and promote respect, integrity, and accountability.

2. Definitions

Disruptive Behavior - Behavior that interferes with the learning environment, teaching process, or normal operations of the college.

3. References

- Americans with Disabilities Act of 1990, 42 U.S.C. §§ 12101 et seq.
- Family Educational Rights and Privacy Act of 1974 (FERPA), 20 U.S.C. § 1232g; 34 CFR Part 99 (600.601)
- Higher Education Amendments Act of 1972, Title IX, 20 U.S.C. §§ 1681-1688
- Related MTECH Policies and Procedures - Appendix A

4. Policy

4.1 Core Principles

4.1.1 Respect for Others – Demonstrating civility, inclusion, and professionalism.

4.1.2 Integrity – Upholding academic honesty and ethical behavior.

4.1.3 Safety – Complying with all campus safety regulations and program-specific safety protocols.

4.1.4 Responsibility – Being accountable for one's actions, attendance, and the proper use of college resources.

4.2 Student Rights

Students at MTECH have the right to:

4.2.1 A safe, respectful, and inclusive learning environment.

4.2.2 Academic freedom and freedom of expression (within legal and professional boundaries).

4.2.3 Due process in disciplinary matters (MTECH Policy 600.623).

4.2.4 Access to resources, including academic counseling, disability services (ADA compliance- MTECH Policy 600.614), and grievance procedures (MTECH Policy 600.608).

4.2.5 Protection from discrimination and harassment as outlined in Title IX and Discrimination Policy (MTECH Policy 300.304).

4.2.6 Financial aid transparency to understand and access details about financial aid as found on our webpage and MTECH Policies 800.806, 800.811, and 800.813.

4.2.7 Academic privacy and access to records as outlined in the Family Educational Rights and Privacy Act (FERPA) and MTECH Policy 600.601 and Procedure 600.601.

4.3 Student Responsibilities

Students are responsible for:

4.3.1 Meeting academic and attendance requirements (MTECH Policy 600.611).

4.3.2 Maintaining academic integrity (MTECH Policy 600.617).

4.3.3 Following program-specific dress codes and safety standards as outlined in the course syllabus.

4.3.4 Respecting the rights, property, and safety of others.

4.3.5 Complying with local, state, and federal laws.

4.4 Standards of Conduct

4.4.1 Academic Misconduct

4.4.1.1 Cheating, plagiarism, falsification, or aiding others in misconduct.

4.4.2 Behavioral Misconduct

4.4.2.1 Harassment, discrimination, bullying, or threats.

4.4.2.2 Physical harm or threats of harm.

4.4.2.3 Disruptive classroom or campus behavior.

4.4.3 Substance Use Violations

4.4.3.1 Possessing, using, distributing, or being under the influence of alcohol, illegal drugs, or controlled substances on any MTECH campus (Drug and Alcohol-Free Campus Policy) or at any MTECH supervised or sponsored off-campus activity, including work-based learning activities.

4.4.4 Technology Misuse

4.4.4.1 Unauthorized access to college systems.

4.4.4.2 Accessing pornography or inappropriate material via college networks.

4.4.5 Property Violations

4.4.5.1 Theft, vandalism, or misuse of college property or equipment.

4.4.6 Professional Standards

4.4.6.1 Failure to comply with industry-specific conduct or clinical and externship site rules.

5. Disciplinary Procedures: Non Due Process

When the alleged violation does not merit possible dismissal from the College with the exception of academic dishonesty:

5.1 Step 1: Reporting - Any suspected violation should be reported to the Program Director, instructor, or MTECH Security.

5.2 Step 2: Investigation - Relevant facts are gathered, and the student is informed of the alleged violation.

5.3 Step 4: Determination & Sanctions - Outcomes are based on severity, intent, and prior conduct record.

5.4 Step 5: Appeal - Students may appeal according to the appeal for policy variance if they believe the procedure taken was in violation of an MTECH policy.

6. Disciplinary Procedures: Due Process

When the result may end in dismissal from the College and is not related to academic dishonesty:

6.1 Step 1: Reporting - Any suspected violation should be reported to the Program Director, instructor, or MTECH Security.

6.2 Step 2: Investigation - Relevant facts are gathered, and the student is informed of the alleged violation.

6.3 Step 3: Meeting / Hearing - The student is given an opportunity to respond and present information.

6.4 Step 4: Determination & Sanctions - Outcomes are based on severity, intent, and prior conduct record.

6.5 Step 5: Appeal - Students may appeal if specific conditions occur, per MTECH Policy 600.623 (Due Process).

7. Possible Sanctions

7.1 Verbal or written warning.

7.2 Student Success Plan or probation.

7.3 Restitution for damages.

7.4 Suspension from class or program.

7.5 Dismissal from MTECH.

7.6 Referral to law enforcement when applicable.

7.7 Restricted access to specified areas on campus

8. Support Resources

8.1 Academic Counseling – Guidance on educational challenges and ADA accommodations.

8.2 Career Services – Job placement, resume help, and interview preparation.

8.3 Mental Health Resources – Referral to local and campus-based supports.

8.4 Safety & Security – Reporting and prevention resources.

9. Review and Revision

9.1 The MTECH Executive Staff and Board of Trustees will review this policy annually to ensure compliance with federal, state, and accreditation standards.

Evaluation History

Last Evaluation	Executive Staff Approval	Board Approval
10/20/2025	10/20/2025	

Appendix A - Related MTECH Policies and Procedures

600.601 *Student Privacy and Access of Records Policy*

600.601 *Student Privacy and Access of Records Procedure*

600.617 *Cheating Policy*

600.611 *Progress and Attendance Policy*

600.614 *Students with Disabilities Policy*

600.623 *Student Due Process Policy*

600.608 *Student Grievance Policy*

300.304 *Title IX and Discrimination Policy*

600.621 *Drug and Alcohol-Free Campus*

800.806 *Satisfactory Academic Progress*

800.811 *Veteran Student Financial Aid Eligibility Policy*

800.813 *Scholarship Deferral Request Procedure*

Satisfactory Academic Progress (SAP)

Students are expected to maintain satisfactory academic progress (SAP) by meeting the attendance, performance, competency, and course completion requirements established by their program and outlined in course syllabi. Failure to meet academic or behavioral standards may result in remediation, probation, dismissal, loss of financial aid eligibility, or required waiting periods before re-enrollment. Students are encouraged to work closely with instructors and Academic Counselors to understand program expectations, graduation requirements, and available appeal or re-enrollment processes.

Satisfactory Academic Progress (SAP)

Grading Policy

Grading procedures are provided in course syllabi and specify the grading scale and minimum passing grades. Instructors recommend term grades for high school students enrolled in their program based on student performance. A high school student's actual credit for an MTECH program is determined by the school district. MTECH does not award high school credit.

MTECH recommends the following scale to convert percentages into letter grades for high school students:

Range	Letter Conversion
100% - 93.0%	A
92.99% - 90.0%	A-
89.99% - 87.0%	B+
86.99% - 83.0%	B
82.99% - 80.0%	B-
79.99% - 77.0%	C+
76.99% - 73.0%	C
72.99% - 70.0%	C-
69.99% - 67.0%	D+
66.99% - 63.0%	D
62.99% - 60.0%	D-
59.99% - 0%	F

Satisfactory Academic Progress (SAP)

Academic Progress

Students must meet the progress and performance standards of their program, which are communicated through the course syllabi. Financial sponsors may hold students to a higher performance standard than defined by this policy. Lack of progress may lead to the student being placed on a Student Success Plan.

Non-Term Programs – Students in non-term programs are required to complete their coursework and must make satisfactory progress in order to complete each course by the scheduled end date. Students who do not pass a course by the scheduled end date may re-enroll in the course until the maximum number of retakes for each individual course have been met. Students will be required to pay full tuition and fees for each retake of individual courses at the time of registration. Students who fail a course on their last attempt, must wait at least 6 months to re-enroll and follow the re-enrollment process found in the 600.611 Progress and Attendance Policy and Procedure.

Term Programs – Students in term programs who did not complete a course by the end date must meet with their instructor for remediation to finish course work. Students who fail a course, and if the program does not allow course retakes, must wait at least 6 months to re-enroll and follow the re-enrollment process found in the 600.611 Progress and Attendance Policy and Procedure.

Graduation Requirements – Graduation requirements are included in program syllabi, and each student's completion is verified by program faculty. The student must demonstrate competency in all requirements, complete required assignments or exams, and fulfill any externship requirements.

Satisfactory Academic Progress (SAP)

Re-Enrollment Procedures

Students Who Have Withdrawn
Students who withdraw from their program are allowed to re-enroll if there is space available, a full payment of fees and tuition is made at the time of re-enrollment, the student was not on academic probation at the time of withdrawal, any outstanding financial obligations and any applicable waiting period requirements have been met.

Dismissed Students
Students withdrawn by the college for academic or behavioral discipline (including 10-day rule for dismissal) must meet with their Academic Counselor to determine a plan for correction before being permitted to file an appeal for re-enrollment. Filing an appeal can be done here.

Adult Students
Adult students dismissed from their program are allowed to re-enroll if there is space available, a full payment of fees and tuition is made at the time of re-enrollment, any holds or restrictions have been resolved, and there has been a minimum of six months since their withdrawal date. A student dropped due to a third failed attempt at a course must wait six months before being eligible to re-enroll.

High school students
High school students who have been dismissed may not return to MTECH until they are at least 18 years old, their high school class has graduated, and at least six months have passed since the dismissal.

All students formerly dismissed should meet with an Academic Counselor to learn the steps needed to return to the college.

All students dismissed due to any of the following violations may not be allowed to re-enroll:

- Physical harm or the threat of physical harm to others.
- Theft of school or personal property.
- Harassment of a physical or sexual nature.
- Using, possessing, trafficking or being under the influence of illegal or potentially harmful substances on site.
- Accessing pornography or any inappropriate usage of college computers
  Cheating, plagiarism, falsification
- Serious violations or program or college rules.

Students requesting a plan, procedure or policy variance may submit an appeal online.

All College Policies

All official Mountainland Technical College policies, procedures, and plans are available online. Students are encouraged to review these resources to understand the academic, conduct, safety, and administrative expectations of the College.

View all MTECH policies, procedures, and plans

Financial Information

MTECH is committed to helping students understand the costs associated with their education and identify resources to support their success. This section provides important information regarding tuition and fees, financial aid and scholarship opportunities, veteran education benefits, and student responsibilities related to receiving financial assistance. Students are encouraged to review program-specific costs and financial policies carefully to remain informed about eligibility requirements and financial obligations.

Financial Information

Tuition and Fees

Tuition
Tuition rates are established annually by the Utah System of Higher Education and Mountainland Technical College Board of Trustees.
The current credit tuition rate is $120 per credit hour.
The current non-credit tuition rate is $2.10 per course hour.

High School Tuition Waiver
Tuition is waived for all high school students, although high school students will be responsible for fees. When the high school student graduates, or their class graduates (whichever comes first), tuition is no longer waived and the student is subject to the current tuition rates and any remaining annual fees for any remaining hours needed to complete their program and receive a certificate.

Fees
Fees are charged when enrolling in each individual course for high school and adult students. Other miscellaneous fees may be charged when initially enrolling and throughout your program.

Fees are subject to change and charged at the current rate at the time of enrollment. Always refer to the program webpage for current costs.
For more information please see individual program webpages – https://mtec.edu/programs/

Application Fee
There is no fee to apply. Students can apply for free by creating an account on the MTECH Student Portal.

Registration Fee
A non-refundable registration fee of $40.00 is required at the time of registration for any program.

Materials and Supplies
Programs/courses may require the purchase of textbooks, workbooks and/or other institutional charges as a separate cost. Some of these may be included in the individual course fees. Please refer to the program details found on each program's information page to find specific details about each course.

Financial Information

Financial Aid and Scholarships

One of the biggest questions that arises with higher education is "How am I going to pay for this?" We will help you evaluate your opportunities for financial aid, scholarship availability and eligibility, and help you find which types of aid you may be eligible to receive. Our website has more information on the different types of aid and scholarships available.

Scholarships

Complete your profile and let us match you to as many scholarships as you qualify for.

Federal Aid

Federal Title IV Financial Aid is available for eligible students who demonstrate financial need.

Veterans Aid

There are many aid options available to Veterans planning to attend.

Navigating this process can be a challenge. Our Financial Aid and Scholarship Offices are on hand to help guide you through the process.

Call 801-753-4105
Email financialaid@mtec.edu
Email scholarships@mtec.edu

Financial Information

Veterans Services

The Utah State Approving Agency for Veterans' Education Benefits approves several of the programs for payment of Veteran Affairs (VA) education benefits (such as the GI Bill®). Veteran students with eligible VA benefits must meet satisfactory progress and attendance requirements as outlined by the Utah State Approving Agency. These requirements are contained in an Enrollment Agreement Addendum that is available in the Financial Aid Office.

In addition, you may inquire directly with the Veterans Administration at http://www.gibill.va.gov/ Veteran students applying for admission to the MTECH who are eligible to receive credit for military training and experience are required to meet with a certifying official in the college counseling office.

Please contact the financial aid office for additional information on program eligibility requirements and accessing your benefits.

Call 801-753-4105
Email financialaid@mtec.edu

Financial Information

Ethical Responsibilities

As a student receiving financial assistance at MTECH, you are expected to uphold high standards of integrity and responsibility. Ethical conduct is essential in ensuring that financial aid, whether in the form of Federal Pell Grants, scholarships, or veterans' educational benefits, is used appropriately and fairly to support your educational goals.

Students must provide accurate, complete, and honest information when applying for financial assistance. Misrepresentation or falsification of any information on financial aid applications, including the Free Application for Federal Student Aid (FAFSA), scholarship forms, or veterans' benefits paperwork, is considered fraud and may result in disciplinary action, repayment obligations, and/or legal consequences. Students are also responsible for promptly reporting any changes in financial status, enrollment, or eligibility that may impact their aid.

Students are expected to understand the terms and conditions of the financial aid they receive. It is the student's responsibility to stay informed, meet all deadlines, and adhere to satisfactory academic progress standards required for continued eligibility. Upholding these ethical responsibilities ensures that financial aid resources remain available to support all students equitably and effectively.

School of Apprenticeship

Electrical Apprenticeship

HVACR Technician

Plumbing Apprenticeship

School of Healthcare

Advanced Emergency Medical Technician

Dental Assisting

Emergency Medical Technician

Limited X-Ray Technician

Medical Assistant

Medical Coding and Billing

Nursing Assistant

Pharmacy Technician

Phlebotomy

Practical Nursing

Radiography Technology

Sterile Processing Technician

Surgical Technology

School of Services

Cosmetology

Culinary Arts

Master Hair Design and Master Barbering

Nail Technician

School of Technology

Data Technology

Digital Design

Digital Marketing and Analytics

iOS App Development

Networking and Cybersecurity

Software Quality Assurance

Web Programming and Development

School of Trades

Automation Technology

Automotive Technology TEACH OUT

Civil Construction I

Commercial Driver's License - Class A

Diesel Technology

QqPA63jTWQiVQbEa8tjI - Missing program

Machining Technology

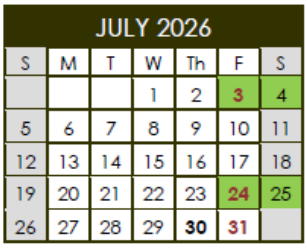
Pipe Welding

Welding Technology

Program and Academic Information

Academic Calendar

2026-2027 CALENDAR



JULY 2026						
S	M	T	W	Th	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

3-4 Independence Day
24-25 Pioneer Day
30 Summer Term Ends



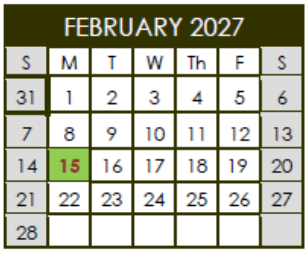
JANUARY 2027						
S	M	T	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

1-4 Holiday Break
5 Spring Semester Starts
18 Martin Luther King Day



AUGUST 2026						
S	M	T	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

1-15 Summer Break
17 Fall Semester Starts



FEBRUARY 2027						
S	M	T	W	Th	F	S
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

15 Presidents Day



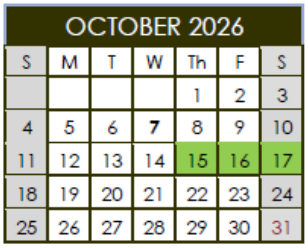
SEPTEMBER 2026						
S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

5-7 Labor Day Holiday



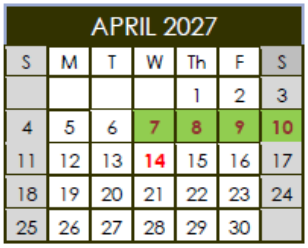
MARCH 2027						
S	M	T	W	Th	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

5 3rd Term Ends



OCTOBER 2026						
S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

7 1st Term ends
15-16 Fall Break
31 Halloween
(No classes after 2:30)



APRIL 2027						
S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

7-10 Spring Break



NOVEMBER 2026						
S	M	T	W	Th	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

25-28 Thanksgiving Break



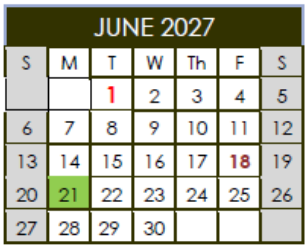
MAY 2027						
S	M	T	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

11 Graduation;
No classes
21 Spring Semester Ends
31 Memorial Day



DECEMBER 2026						
S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

17 No Classes after 2:30
18 Fall Semester Ends
21-Jan 4 Holiday Break



JUNE 2027						
S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

1 Summer Term Starts
21 Juneteenth Holiday

Highlighted Days indicate days there are No Students in class.

Faculty Directory

MTECH faculty bring extensive industry experience, technical expertise, and a commitment to student success into the classroom and lab environment. Instructors work closely with students to provide hands-on training, professional mentorship, and real-world skills that prepare graduates for employment and career advancement. The Faculty Directory provides information about the faculty and instructional staff who support our programs across the college.

Transfer Credit

Completing your MTECH program can open pathways to local colleges and universities, saving yourself time and money on your educational journey. Students can also apply eligible transfer credits from high school to MTECH.

More information can be found on the Transfer Credit page of the MTECH website or be referring to Policy 600.605 Registration and Transfer of Coursework

Campus Locations

Mountainland Technical College (MTECH) serves students in Utah, Wasatch, and Summit counties. Our main campus is located in the Thanksgiving Point area of Lehi, UT, with other campuses in Orem, Provo, Spanish Fork, Payson, and Heber City.

Lehi Main Campus

Building A

2301 West Ashton Blvd

Lehi, UT 84048



Lehi Trades and Technology

Building B

2353 North Triumph Blvd

Lehi, UT 84048



Lehi Nursing

Building D

2801 Ashton Blvd

Lehi, UT 84043



Orem Campus

Building A

1410 West 1250 South

Orem, UT 84058



Orem South

Building B

1276 South 1380 West

Orem, UT 84058



Payson Campus

993 South 1950 West

Payson, UT 84651



Provo Campus

125 North 100 West

Provo, UT 84601



Welcome to Mountainland Technical College!



On behalf of the Mountainland Technical College faculty, staff, and Board of Trustees, I am honored to welcome you to an exciting school year.

As you begin your program here, you're not just starting a class – you're joining a college with over 50,000 alumni, hundreds of industry partnerships, and a proven track record of excellence. This is a place where careers take off – where hands-on training, expert faculty, and real-world connections come together to give you a true edge in today's workforce.

Whether you're working in one of our cutting-edge labs, meeting with career advisors, or gaining experience through an externship, everything we do is designed with your success in mind. At MTECH, we believe education should be purposeful, practical, and personal. Our mission is clear: to enhance the employability of every student through market-driven, career-focused education and training.

But more than that – we believe in you. We believe in your ability to rise, lead, and make a difference. You'll be surrounded by award-winning faculty and staff who care deeply about your goals and will go the extra mile to help you achieve them.

You're joining a community that will challenge you, support you, and celebrate you from your first day in the classroom to the day you graduate, career-ready and confident.

Welcome to Mountainland Technical College. We're proud to have you with us.

Clay Christensen, President
Mountainland Technical College

Welcome to Mountainland Technical College!

Board of Trustees

The Board of Trustees ensures that MTECH operates in the best interest of students, employees, and the community.



Julie King

Chair of the Board

Representing: Alpine School District



Marlon Lindsay

Vice Chair

Representing: Information Technology



Rick Ainge

Board Member

Representing: Nebo School District



Scott Barlow

Board Member

Representing: Healthcare



Clay Christensen

MTECH President

Representing: Mountainland Technical College



Mary Crafts

Board Member

Representing: Service Industry



Breanne Dedrickson

Board Member

Representing: Wasatch County School District



Dan Eckert

Board Member

Representing: South Summit School District



Melanie Hall

Board Member

Representing: Provo School District



Brad Herbert

Board Member

Representing: Utah Valley University



Brian Hulet

Board Member

Representing: Financial Services



Megan Johnson

Board Member

Representing: Healthcare



Maggie Judi

Board Member

Representing: North Summit School District



Barbara Miner

Assistant to the President

Representing: Mountainland Technical College



Vanessa Perez

Board Member

Representing: Manufacturing/Trades



Meredith Reed

Board Member

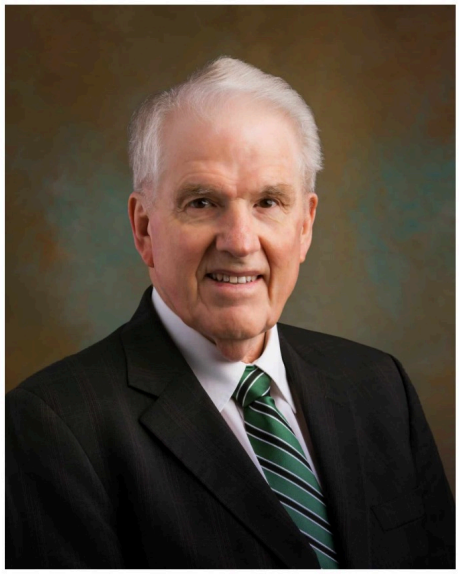
Representing: Park City School District



Brad Tanner

Board Member

Representing: Trades/Agriculture



Paul Thompson

Board Member

Representing: Business/Industry



Eric Weeks

Board Member

Representing: Information Technology

AHA Department

Programs

BLSH - Basic Life Support

Courses

BLSH1000 - AHA Basic Life Support for Healthcare Providers

All Programs

AUTO - Automotive Technology TEACH OUT

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Automotive Technology TEACH OUT

Total Program Hours
1200

Total Program Credits
40

Total Length of Time to Complete the Program
22 Months

CIP Code
47.0604

Program Code
AUTO

Program Description

The Automotive Technology curriculum follows the guidelines established by the ASE Education Foundation which include safety requirements, areas of focus, time frames, and recognized task lists designed by ASE. The Automotive Technology program gives students the foundation to jumpstart their career with some of the largest dealership service centers or independent repair facilities across the country.

Time in the program consists of a hands-on approach to learning in our sophisticated and newly constructed automotive shop. Coursework includes web-based training for Ford, Subaru, Hyundai/Genesis, and Mercedes Benz.

Upon completion of our program, and working a year in the industry, students have the opportunity to pass all the ASE certification tests to become an ASE Master Automobile Service Technician (MAST). Students also have the opportunity to begin manufacturer specific web-based factory training by one or more of our industry sponsors.

Upon program completion, students will be able to:

- Comply with personal and environmental safety practices associated with clothing, eye protection, tools, equipment, ventilation, and handling of chemicals and materials
- Demonstrate safe working habits
- Demonstrate knowledge related to the service, maintenance, operation, and function of the core systems related to gasoline and electrical powered equipment,
- Build and maintain good working relationships

Certificates and Licensure

- MTECH Program Certificate in Automotive Technology
- Students are prepared to take the ASE certification tests as they complete each course in the program.
- Environmental Protection Agency (EPA) Section 609 Refrigerant Handlers license. One attempt at passing this exam is included in the course fees for the A7 HVAC course. This exam is taken in the classroom the last week of the course.
- Program fees include the cost of one attempt at the ASE test for each individual course. Tests are conducted at the MTECH Lehi Campus. If a retake is necessary, students are responsible for scheduling and paying for the test. Retake tests can be arranged through the Prometric Testing Center, located at 350 S. 400 W., Suite 200, Lindon, UT 84042, or through the ASE website (ase.com).

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
AUTO0010 - G1 Maintenance and Light Repair	150	5

Course Tuition	Course Fees	Total Cost of the Course
625	639	1289

Course Name	Course Hours	Course Credits
AUTO1102 - A1 Engine Repair	150	5

Course Tuition	Course Fees	Total Cost of the Course
625	203	828

Course Name	Course Hours	Course Credits
AUTO1113 - A2 Automatic Transmission/ Transaxle	150	5

Course Tuition	Course Fees	Total Cost of the Course
625	223	848

Course Name	Course Hours	Course Credits
AUTO1114 - A3 Manual DriveTrain and Axles	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	242	742

Course Name	Course Hours	Course Credits
AUTO1105 - A4 Suspension and Steering	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	147	647

Course Name	Course Hours	Course Credits
AUTO1116 - A5 Brakes	120	4

Course Tuition
500

Course Fees
178

Total Cost of the Course
678

Course Name
AUTO1117 - A6 Electrical/Electronic Systems

Course Hours
150

Course Credits
5

Course Tuition
625

Course Fees
153

Total Cost of the Course
778

Course Name
AUTO1118 - A7 Heating, Ventilation, and Air Conditioning (HVAC)

Course Hours
90

Course Credits
3

Course Tuition
375

Course Fees
166

Total Cost of the Course
541

Course Name
AUTO1119 - A8 Engine Performance

Course Hours
150

Course Credits
5

Course Tuition
625

Course Fees
213

Total Cost of the Course
838

Simple Requirements

Subplan

Automotive Technology

Type
Completion Requirement

Complete ALL of the following Courses:

- AUTO0010 G1 Maintenance and Light Repair
- AUTO1102 A1 Engine Repair
- AUTO1113 A2 Automatic Transmission/Transaxle
- AUTO1114 A3 Manual DriveTrain and Axles
- AUTO1105 A4 Suspension and Steering
- AUTO1116 A5 Brakes
- AUTO1117 A6 Electrical/Electronic Systems
- AUTO1118 A7 Heating, Ventilation, and Air Conditioning (HVAC)
- AUTO1119 A8 Engine Performance

Degree Map Name
Automotive Technology Program Complete

Total Degree Map Credits
0

Degree Map Effective Catalog Year
2026-27 -

Total General Education Credits
0

Total Major Credits
0

Total Minor Credits
0

Total Elective Credits
0

Registration Info

Enrollment Available To:

HS Juniors; must be at least 16 years old, HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE	CL TIM
Lehi	April 29, 2026		August 2026	7:3 AM
Lehi	April 29, 2026		August 2026	11: AM
Lehi	April 29, 2026		August 2026	6:0 PM
Payson	April 29, 2026		August 2026	7:3 AM
Payson	April 29, 2026		August 2026	11: AM

Prerequisites

Prerequisites

Satisfy Entrance Requirements with Testing Center

Program Specific Prerequisites

- A copy of a valid driver's license must be emailed to automotive@mtec.edu

Schedule

Lehi
Lehi Building B

Lehi Room Number
109, 111

Lehi Maximum Enrollment
22 (20 for 6PM classes)

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-7/29/2027; Year 2	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-7/29/2027, Year 2	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Heber
Heber Valley Campus

Heber Room Number
131

Heber Maximum Enrollment
15

Heber Schedule Notes
See TEAU Automotive MLR

Payson
Payson

Payson Room Number
131

Payson Maximum Enrollment
22

Payson Schedule Notes
Class is held Monday - Thursday; Each Friday is hybrid. The 1st and 3rd Fridays each month are hybrid with no in-person classes. The 2nd, 4th and 5th Fridays each month are hybrid, but have open shop available to students caught up on assignments.

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 7/29/2027; Year 2	7:30 AM - 10:30 AM	Monday - Thursday, Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 7/30/2027; Year 2	11:45 AM - 2:45 PM	Monday - Thursday, Friday Hybrid

Cost

Total Program Tuition
5000

Total Program Fees
2074

Total Cost of Program
7074

Total Cost of Program
7795

Required Materials

REQUIRED MATERIALS	NOTES	COST
Modern Automotive Technology 10th Edition (Goodheart/Wilcox)	9781649254177	Included in Student Fees
Tablet (Samsung)		Included in student fees
Tablet Case		Included in student fees
Flashlight	Available in the MTECH Store	$7.00
Shop Work shirt	Available in the MTECH Store, Students are required to purchase 1 shirt	$35.00
Tool Kit	Students may bring or purchase their own tools, but aren't required to do so	$0.00
Safety Glasses	Available in the MTECH Store	$4.00

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
BlueDriver Bluetooth Pro OBD2 Car Diagnostic Scan Tool	For Iphone & Android	$100

Industry Exams

INDUSTRY EXAMS	NAME OF EXAM	ADDITIONAL INFORMATION	COST
G1 Maintenance and Light Repair	ASE Exam - G1	Included in Course Fees	$90
A1 Engine Repair	**ASE Exam - A1**	**Included in Course Fees**	**$90**
A2 Automatic Transmission/ Transaxle	**ASE Exam - A2**	**Included in Course Fees**	**$90**
A3 Manual Drive Train and Axles	**ASE Exam - A3**	**Included in Course Fees**	**$90**
A4 Suspension and Steering	ASE Exam - A4	Included in Course Fees	$90
A5 Brakes	ASE Exam - A5	Included in Course Fees	$90
A6 Electrical/ Electronics Systems	ASE Exam - A6	Included in Course Fees	$90
A7 HVAC	**ASE Exam - A7**	**Included in Course Fees**	**$90**
A7 HVAC	**EPA 609 Refrigerant Handling License Certification Exam**	**Included in Course Fees**	**$25**
A8 Engine Performance	**ASE Exam - A8**	**Included in Course Fees**	**$90**

BLSH - Basic Life Support

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Basic Life Support

Total Program Hours
6

Total Length of Time to Complete the Program
1 day

CIP Code
51.0899

Program Code
BLSH

Program Description
The Basic Life Support (BLS) Course for Health Care Providers is designed to provide professionals with the necessary skills to keep people alive until they can be brought to a hospital or be treated with more advanced lifesaving measures. This course covers: adult and pediatric CPR, two-rescuer scenarios and use of the bag-valve masks, foreign-body airway obstruction, automated external defibrillation, special resuscitation situations, stroke and cardiac arrest, and other cardiopulmonary emergencies.

Certificates and Licensure
- Healthcare Provider Basic Life Support Certification
- First Aid Certification

Required Courses

Course Name, Tuition, and Fees

Course Name
BLSH1000 - AHA Basic Life Support for Healthcare Providers

Course Hours
6

Course Credits
0

Course Tuition
13

Course Fees
29

Total Cost of the Course
42

Registration Info

Enrollment Available To:
HS Juniors; must be at least 16 years old, HS Seniors; must be at least 17 years old, Adults

Registration Dates
Registration opens April 15, 2026 for all courses that begin from July 1, 2026 - June 30, 2027.

Registration closes the day before the course or when the course is full, whichever comes first.

Schedule

Lehi
Lehi Building A

Lehi Room Number
316

Lehi Maximum Enrollment
18

Cost

Non-Credit Course Tuition
13

Non-Credit Course Fees
29

Total Cost of Non-Credit Course
42

CULA - Artisan Baking

Program Info

Effective Start Term
2025-2026

College/School
School of Technology and Service

Program Title
Artisan Baking

Total Program Hours
120

Total Length of Time to Complete the Program
2 months

Program Code
CULA

Program Description

The Artisan Baking and Pastry course is fast-paced and follows the industry standards and practices of classical and contemporary baking. You will learn intermediate and advanced baking techniques in an exciting well-equipped kitchen setting. With the variety of methods and techniques taught, this course makes for a highly concentrated, focused, and hands-on curriculum. Students will participate in scaling, mixing, dough production, retail operations, and oven work in our production kitchen labs.

The coursework involves breads, pies, pastries, cookies, cakes, and some specialty decorating. Bakery math, formulas, and professionalism will be discussed as students work in the classroom and in the kitchen labs to develop their skills and a portfolio. You will be in the kitchen daily preparing a variety of baked goods, cakes, and pastries finished to industry standards. If you enjoy teamwork, bakery production, timelines, and creating delicious baked goods in a commercial baking environment, this course is for you.

Required Courses

Course Name, Tuition, and Fees

Course Name
CULA0108 - Artisan Baking

Course Hours
120

Course Fees
222

Simple Requirements

Subplan

Course(s) Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- CULA0108 Artisan Baking

Registration Info

Enrollment Available To:
Adults, HS Seniors; must be at least 17 years old

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	COURSE START DATE	CLAS TIME
Lehi,	02/18/2026	05/29/2026	06/01/2026	7:30a - 11:30

Prerequisites

Program Specific Prerequisites
Advanced Baking Course; Completion of Culinary Arts Program Recommended

Schedule

Lehi
Lehi Building A

Lehi Room Number
116

Lehi Maximum Enrollment
13

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	06/01/2026 - 07/22/2026	7:30am - 11:30am	Monday - Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027 - 07/26/2027	7:30am - 11:30am	Monday - Thursday

Payson
Payson

Payson Room Number
116

Payson Maximum Enrollment
12

Cost

Non-Credit Course Tuition
252

Non-Credit Course Fees
222

Total Cost of Non-Credit Course
474

Required Materials

MATERIALS	NOTES	COST
Advanced Bread and Pastry Textbook		Included in Course Fees
MTECH Chef Uniform		Included in Course Fees

CULA - Summer STEM

Program Info

Effective Start Term
2025-2026

College/School
School of Technology and Service

Program Title
Summer STEM

Total Program Hours
32

Total Length of Time to Complete the Program
2 weeks

Program Code
CULA

Program Description
Spend two weeks this summer learning to cook, the science involved and best of all…EATING YOUR CLASSWORK!

This hands-on class for 7th, 8th and 9th graders will include these classes that combine food and science:

- Better Safe than Sorry – Pathogens and Bacteria
- Spice Up Life – Papillia and our Olfactory Response
- Thick or Thin – Proteins, Lipids and Coagulation
- Mixin' it Up – Emulsifications and Acidic Reactions
- Rise to the Occasion – Chemical and Natural Leavening Agents
- Life in the Fast Lane – Our Body's Energy Sources
- Breakin' it Down – Enzymes and What They Do
- How Sweet it is – Sucrose, Fructose and Glucose

Required Courses

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:
- CULA01 Summer Stem Cooking

Registration Info

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	COURSE START DATE	CLAS TIME
Lehi	02/18/2026	05/29/2026	06/01/2026	8:00a - 12:0(
Lehi	02/18/2026	07/03/2026	07/06/2026	8:00a - 12:0(
Payson	02/18/2026	05/29/2026	06/01/2026	8:00a - 12:0(
Payson	02/18/2026	07/03/2026	07/06/2026	8:00a - 12:0(

Prerequisites

Program Specific Prerequisites
Enrollment Available to Students Grades 7, 8, and 9

Schedule

Lehi
Lehi Building A

Lehi Room Number
116

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	06/01/2026 - 06/12/2026	8:00am - 12:00pm	Monday - Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	07/06/2026 - 07/16/2026	8:00am - 12:00pm	Monday - Thursday

Payson
Payson

Payson Room Number
116

Cost

Non-Credit Course Tuition	Non-Credit Course Fees	Total Cost of Non-Credit Course
0	50	50

IVCE - IV Foundations

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
IV Foundations

Total Program Hours
21

Total Length of Time to Complete the Program
2 weeks

CIP Code
51.1009

Program Code
IVCE

Program Description

IV Foundations is a 21-hour course, completed over 2 weeks. This advanced course was developed for healthcare professionals with over 20 hours of prior phlebotomy experience, expanding skills and enhancing patient care. This comprehensive course provides in-depth training in intravenous therapy techniques and procedures. With our IV Foundations course, students acquire the expertise needed to confidently perform the placement of IV catheters.

Students will place IV's on classmates and volunteers. All students are required to participate as a patient and a phlebotomist with their classmates. The final exam will consist of a written test and IV skills tests.

Upon program completion, students will be able to:

- Learn the theory behind standards for the safe placement of IVs.
- Identify IV equipment.
- Identify IV risk factors, IV complications, and explain the basics of human anatomy related to IV placement.
- Correctly and safely perform an IV insertion on a patient by properly using any equipment and supplies necessary while identifying and adjusting for any challenges associated with the placement.

Certificates and Licensure

Students can receive a transcript of credit earned upon completion of the course.

Required Courses

Simple Requirements

Subplan

IVCE 1010

Type
Completion Requirement

Complete ALL of the following Courses:

- IVCE1010 IV Foundations

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	COURSE START DATE	CLAS TIME
Lehi	February 18, 2026	July 20, 2026	July 21, 2026	6:00 PM
Lehi	April 15, 2026	March 7, 2027	March 8, 2027	6:00 PM

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center

Program Specific Prerequisites
- 20 hours of prior phlebotomy experience required.
    - Experience can come from completing a program in nursing (LPN minimum), Advanced EMT, Medical Assisting, Radiology Technician, or Phlebotomy, with a minimum of 20 hours of phlebotomy coursework/lab time, and should include using phlebotomy techniques practiced on live patients.
    - Experience can come from clinicals, externships, or working in the field that had a minimum of 20 hours of phlebotomy techniques practiced on live patients.
    - Any combination of the above that results in a minimum of 20 hours of phlebotomy techniques that included practice on live patients.
- Submit proof of experience to phlebotomy@mtec.edu.

Schedule

Lehi
Lehi Building A

Lehi Room Number
305

Lehi Maximum Enrollment
20

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	7/21/2026-7/30/2026	6:00pm-9:00pm	Monday - Thursday
Spring 2027	3/8/2027-3/17/2027	6:00pm-9:00pm	Monday - Thursday

Cost

Non-Credit Course Tuition
84

Non-Credit Course Fees
150

Total Cost of Non-Credit Course
259

Required Materials

MATERIALS			NOTES					COST
Scrubs			1					$25.00

TEAC - HVACR Technician

Program Info

Effective Start Term
2026-2027

College/School
School of Apprenticeship

Program Title
HVACR Technician

Total Program Hours
630

Total Program Credits
21

Total Length of Time to Complete the Program
18 months

CIP Code
47.0201

Program Code
TEAC

Program Description

This program prepares students for an interesting and profitable career as an HVACR Technician. Technicians will install, service and repair equipment in a wide range of applications including residential, commercial, institutional, and industrial settings. This program provides participants with the opportunity to prepare for a successful career, anywhere in the world, and acquire the knowledge and skills that will qualify them for employment opportunities with incomes higher than the typical U.S. household. Additionally, this industry has proven to be resistant to economic downturns. With increasing energy costs and indoor air quality expectations, employment opportunities and earnings are on the rise.

Upon program completion, students will be able to:

• Demonstrate safe work practices during all aspects of training.

• Demonstrate an understanding of electricity as it applies to air conditioning, heating, and refrigeration systems.

• Demonstrate the application of refrigeration theory as it applies to servicing air conditioning, heat pump and refrigeration systems.

• Prepare for the Environmental Protection Agency Section 608 Refrigerant Handling Certification.

• Prepare for the Rocky Mountain Gas Association Natural Gas Technician Certification.

• Demonstrate a variety of methods to assemble pipe and tubing.

• Demonstrate the ability to successfully diagnose electrical and mechanical problems with air conditioning, refrigeration, furnace, and boiler systems.

• Demonstrate the ability to communicate professionally both verbally and in writing.

Certificates and Licensure

- MTECH Program Certificate in HVACR Technician
- Students are prepared to take the following exams:
    - RMGA
    - Section 608 EPA
    - TRAC Pipe
    - NATE CHP-5 Electrical Controls
    - NATE CHP-5 HVAC Fundamentals
    - NATE CHP-5 Air Flow
    - NATE CHP-5 Installation
    - NATE CHP-5 Customer Service

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEAC1400 - Introduction to HVACR Careers	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	345	720

Course Name	Course Hours	Course Credits
TEAC1010 - Introduction to Air Conditioning, Heating and Refrigeration	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	150	525

Course Name	Course Hours	Course Credits
TEAC1100 - HVACR Electrical Essentials	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	155	530

Course Name	Course Hours	Course Credits
TEAC1120 - Heating Systems	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	110	485

Course Name	Course Hours	Course Credits
TEAC1140 - Basic Refrigeration Systems	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	65	440

Course Name	Course Hours	Course Credits
TEAC1420 - Advanced Controls and Exit Skills	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	65	440

Course Name	Course Hours	Course Credits
TEAC1160 - Basic Installation Skills	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEAC1400 Introduction to HVACR Careers
- TEAC1010 Introduction to Air Conditioning, Heating and Refrigeration
- TEAC1100 HVACR Electrical Essentials
- TEAC1120 Heating Systems
- TEAC1140 Basic Refrigeration Systems
- TEAC1420 Advanced Controls and Exit Skills
- TEAC1160 Basic Installation Skills

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Orem	July 15, 2026	August 20, 2026	August 17, 2026
Orem	November 18, 2026	January 7, 2027	January 5, 2027

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center

Program Specific Prerequisites

- Work at least part-time for an HVACR company by the start of entering the HVACR Electrical Essentials course.
- To continue throughout the program, students must pass each course with a minimum grade of 75%.

Schedule

Orem	Orem Maximum Enrollment
Orem Building A	24

Orem Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 10/7/2026	2:00pm - 5:00pm	Monday - Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/8/2026 - 12/3/2026	2:00pm - 5:00pm	Monday - Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 10/7/2026	6:00pm - 9:00pm	Monday - Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/8/2026 - 12/3/2026	6:00pm - 9:00pm	Monday - Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2026	1/5/2027 - 3/1/2027	2:00pm - 5:00pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2026	3/2/2027 - 4/26/2027	2:00pm - 5:00pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2026	1/5/2027 - 3/1/2027	6:00pm - 9:00pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2026	3/2/2027 - 4/26/2027	6:00pm - 9:00pm	Monday-Thursday

Cost

Total Program Tuition
2625

Total Program Fees
790

Total Cost of Program
3415

Total Cost of Program
$3,480.00

Required Materials

BOOKS/MATERIALS & TOOLS	NOTES	COST
Safety Glasses	Can be purchased in the MTECH Store.	$5.00
Tablet		Included in course fees.
Refrigeration & Air Conditioning Technology, 10th Edition	Only purchased for Introduction to HVAC Careers	Included in course fees.
International Fuel Gas Code 2021	ONLY purchased for Introduction to HVACR Careers	Included in course fees.
HVAC Refrigerant Charging Quick Card	Purchased in Heating Systems course and used in all subsequent courses.	Included in course fees.
RMGA Study Guide	ONLY purchased for Introduction to HVACR Careers	Included in course fees.
Environmentally Safe Refrigerant Service Tips & Techniques	ONLY purchased for Introduction to Air Conditioning, Heating and Refrigeration	Included in course fees.
Code Check Plumbing & Mechanical 7th Edition	Purchased in Heating Systems course.	Included in course fees.
Commercial Refrigeration for Air Conditioning Technicians 4th Edition (Digital Copy)	Purchased in Basic Refrigeration Systems.	Included in course fees.
All-Purpose Pliers	Klein J207-8CR recommended or similar model	
8" Adjustable Wrench	Klein D507-8 recommended or similar model	
11-in-1 HVAC Multi-Driver	Klein 32527HD recommended or similar model	
Temperature Probe	Klein IR07 recommended or similar model	
Multimeter with Amp Clamp	Klein CL445 recommended or similar model	
7" Compact Pliers Wrench	Klein D5317 recommended or similar model	
Wire Stripper	Klein 1009 recommended or similar model	
Precision Flat-Blade Screwdriver	Klein 625-4 recommended or similar model	

Optional Materials

Inverter Mini Split Operation and Service Procedures	Can be purchased in the MTECH Store.	$99.99

Industry Exams

NAME OF EXAM	ADDITIONAL INFORMATION	COST
RMGA	Included in Introduction to HVACR Careers course fees.	$100
EPA	Included in Introduction to Air Conditioning, Heating, and Refrigeration course fees.	$30

TEAM - Automation Technology

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Automation Technology

Total Program Hours
900

Total Program Credits
30

Total Length of Time to Complete the Program
15 Months

CIP Code
47.0303

Program Code
TEAM

Program Description

The Automation Technology program supports a wide variety of mechanical and automated systems. This program is designed to help prepare students with the necessary skills to become technicians in several critical industries. Students are introduced to a wide variety of tools, practices, and procedures. The program uses a competency based hands-on approach, with other teaching methods that are employed throughout.

Upon program completion, students will be able to:

• Demonstrate a working knowledge of mechanical systems, maintenance, troubleshooting, repair

techniques, and safety practices and procedures.

• Apply system diagnostics and troubleshooting techniques.

• Apply mathematical concepts to real world applications.

• Read, utilize, and design blueprints and schematics.

• Operate, install, maintain, modify, and troubleshoot electrical systems.

• Operate, install, maintain, modify, and troubleshoot fluid power systems.

• Operate, install, maintain, modify, and troubleshoot electrical motor control systems.

• Operate, modify, maintain, program, and troubleshoot programmable logic controllers.

• Implement and properly use a variety of precision measurement tools and procedures.

Certificates and Licensure

- MTECH Program Certificate in Automation Technology
- SACA Certifications
    - C-101 Certified Industry 4.0 Associate 1- Basic Operations
    - C-201 Electrical Systems 1
    - C-202 Motor Control Systems 1
    - C-203 Variable Frequency Drive Systems 1
    - C-204 Motor Control Troubleshooting Systems 1
    - C-206 Electrical System Installation 1
    - C-207 C-210 Mechanical Power Systems 1
    - C-208 Programmable Controller Troubleshooting 1
    - C-209 Pneumatics Systems 1
    - C-210 Mechanical Power Systems 1
    - C-215 Robot Systems Operations 1
    - C-255 Hydraulic Systems 1
    - C-307 Electronic Systems Installation 1
    - C-309 Programmable Controller Systems 2

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEAM1010 - Essential Skills and Safety	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	40	415

Course Name	Course Hours	Course Credits
TEAM1050 - Electrical Systems	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	44	294

Course Name	Course Hours	Course Credits
TEAM1060 - Motor Controls	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	94	469

Course Name	Course Hours	Course Credits
TEAM1020 - Pneumatics	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	29	279

Course Name	Course Hours	Course Credits
TEAM1030 - Hydraulics	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	46	296

Course Name	Course Hours	Course Credits
TEAM1070 - Programmable Logic Controllers	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	51	551

Course Name	Course Hours	Course Credits
TEAM2000 - Programmable Logic Controllers II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	40	415

Course Name	Course Hours	Course Credits
TEAM2031 - PLC Troubleshooting	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	18	143

Course Name	Course Hours	Course Credits
TEAM1080 - Applied System Diagnostics	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	22	272

Course Name	Course Hours	Course Credits
TEAM1310 - Industrial Panel Wiring	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	71	321

Course Name	Course Hours	Course Credits
TEAM1040 - Industrial Mechanics	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	50	425

Course Name	Course Hours	Course Credits
TEAM1115 - Robotics I	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	18	143

Course Name	Course Hours	Course Credits
TEAM1112 - Rotating Machines	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	29	279

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEAM1010 Essential Skills and Safety
- TEAM1050 Electrical Systems
- TEAM1060 Motor Controls
- TEAM1020 Pneumatics
- TEAM1030 Hydraulics
- TEAM1070 Programmable Logic Controllers
- TEAM2000 Programmable Logic Controllers II
- TEAM2031 PLC Troubleshooting
- TEAM1080 Applied System Diagnostics
- TEAM1310 Industrial Panel Wiring
- TEAM1040 Industrial Mechanics
- TEAM1115 Robotics I
- TEAM1112 Rotating Machines

Earn at least 9 credits from the following:

No selection provided

Registration Info

Enrollment Available To:

HS Juniors; must be at least 16 years old, HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	NEXT START DATE
Lehi, Orem, Payson	June 29, 2026		July 6, 2026
Lehi, Orem, Payson	July 27, 2026		August 17, 2026
Lehi, Orem, Payson	August 31, 2026		September 8, 2026
Lehi, Orem, Payson	September 28, 2026		October 5, 2026
Lehi, Orem, Payson	October 26, 2026		November 2, 2026
Lehi, Orem, Payson	November 30, 2026		December 7, 2026
Lehi, Orem, Payson	December 14, 2026		January 5, 2027
Lehi, Orem, Payson	January 25, 2027		February 1, 2027
Lehi, Orem, Payson	February 22, 2027		March 1, 2027
Lehi, Orem, Payson	March 29, 2027		April 5, 2027
Lehi, Orem, Payson	April 26, 2027		May 3, 2027
Lehi, Orem, Payson	May 17, 2027		June 7, 2027
Lehi, Orem, Payson	June 28, 2027		July 6,2027

Prerequisites

Prerequisites

Satisfy Entrance Requirements with Testing Center, High school students should coordinate with their high school counselors prior to registration., Students enrolling in this program must meet with an MTECH Admissions Advisor prior to registration. High School students should bring a parent.

Schedule

Lehi
Lehi Building B

Lehi Room Number
125

Lehi Maximum Enrollment
20

Lehi Schedule Notes

Class is held Monday - Thursday; Each Friday is hybrid.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	07/06/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	07/06/26 - Non-term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	07/06/26 - Non-term	6:00 pm- 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/26 - Non-term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/26 - Non-term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/26 - Non-term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/02/26 - Non-Term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	09/08/26 - Non-term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	12/07/26 - Non-Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	09/08/26 - Non-term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	12/07/26 - Non-Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	09/08/26 - Non-term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	12/07/26 - Non-Term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/05/26 - Non-term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/27- Non-Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/05/26 - Non-term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/27- Non-Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/05/26 - Non-term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/27- Non-Term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/02/26 - Non-Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	02/01/27- Non-Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/02/26 - Non-Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	02/01/27- Non-Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	02/01/27- Non-Term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/01/27 - Non-Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/01/27 - Non-Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/01/27 - Non-Term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	04/05/27 - Non-Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	04/05/27 - Non-Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	04/05/27 - Non-Term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	05/03/27 - Non-Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	05/03/27 - Non-Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	05/03/27 - Non-Term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/07/27 - Non-Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/07/27 - Non-Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/07/27 - Non-Term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	07/06/27 - Non-Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	07/06/27 - Non-Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	07/06/27 - Non-Term	6:00 pm - 9:00 pm	M-TH (Hybrid Friday)

Orem	Orem Room Number	Orem Maximum Enrollment
Orem Building A	107	15

Orem Schedule Notes

Class is held Monday - Thursday; Each Friday is hybrid.

Orem Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	07/06/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	07/06/26 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/26 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	09/08/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	09/08/26 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/05/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/05/26 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/02/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/02/26 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	12/07/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	12/07/26 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/27 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	02/01/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	02/01/27 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/01/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/01/27 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	04/05/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	04/05/27 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	05/03/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	05/03/27 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/07/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/07/27 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	07/06/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	07/06/27 - Non Term	11:30 am - 2:30 pm	M-TH (Hybrid Friday)

Payson	Payson Room Number	Payson Maximum Enrollment
Payson	111	15

Payson Schedule Notes

Class is held Monday - Thursday; Each Friday is hybrid.

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	07/06/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	07/06/26 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/26 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	09/08/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	09/08/26 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/05/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/05/26 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/01/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/02/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/01/27 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/02/26 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	04/05/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	12/07/26 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	04/05/27 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	12/07/26 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	05/03/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	05/03/27 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/27 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/07/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	02/01/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/07/27 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	02/01/27 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	07/06/27 - Non Term	7:30 am - 10:30 am	M-TH (Hybrid Friday)

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	07/06/27 - Non Term	11:45 am - 2:45 pm	M-TH (Hybrid Friday)

Cost

Total Program Tuition
3750

Total Program Fees
552

Total Cost of Program
4306

Total Cost of Program
4156

Required Materials

MATERIALS	NOTES	COSTS
Safety Glasses	Available in the MTECH Store	$4.00
SACA Subscription	($7/applicable course)	Included in fees within each course
AMATROL E-Learning Subscription	($11/credit)	Included in fees within each course
Laptop not required but highly recommended. (Laptop Computer w/ Minimum system requirements)	Operating System: Windows 11 Processor: Intel Core 2 Duo @ 2.8 GHz RAM: 4 GB Hard Disk Space: 16 GB free Graphics: DirectX 9 with WDDM 1.0 or higher driver Recommended system requirements Processor: Intel Core i5 @ 2.4 GHz RAM: 8 GB Hard Disk Space: 20 GB free Graphics: DirectX 9 with WDDM 1.0 or higher driver	Varies - Students who choose to bring a laptop are responsible for purchasing their own device.

Industry Exams

EXAM NAME	ADDITIONAL INFORMATION	COST	
C-101 Certified Industry 4.0 Associate 1 - Basic Operations	SACA Certification	Included in fees	
C-201 Electrical Systems 1	SACA Certification	Included in fees	
C-202 Motor Control Systems 1	SACA Certification	Included in fees	
C-203 Variable Frequency Drive Systems 1	SACA Certification	Included in fees	
C-204 Motor Control Troubleshooting Systems 1	SACA Certification	Included in fees	
C-206 Electrical System Installation 1	SACA Certification	Included in fees	
C-207 Programmable Controller Systems 1	SACA Certification	Included in fees	
C-208 Programmable Controller Troubleshooting 1	SACA Certification	Included in fees	
C-209 Pneumatic Systems 1	SACA Certification	Included in fees	
C-210 Mechanical Power Systems 1	SACA Certification	Included in fees	
C-215 Robot Systems Operations 1	SACA Certification	Included in fees	
C-255 Hydraulic Systems 1	SACA Certification	Included in fees	
C-307 Electronic Systems Installation 1	SACA Certification	Included in fees	
C-309 Programmable Controller Systems 2	SACA Certification	Included in fees	

TEAP - iOS App Development

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
iOS App Development

Total Program Hours
900

Total Program Credits
30

Total Length of Time to Complete the Program
12 months

CIP Code
15.1204

Program Code
TEAP

Program Description

The iOS App Development Program introduces the fundamental concepts of mobile applications and provides comprehensive coverage of client-side development. Students will receive the skills and knowledge to build engaging, interactive user experiences on mobile as an iOS developer. Students gain invaluable knowledge and experience developing with Cocoa Touch, UIKit, Swift, SwiftUI, and other fundamental frameworks. Throughout the program, students complete a series of professional portfolio projects that they can showcase for potential employers when seeking employment.

Upon program completion, students will be able to:

- Demonstrate the knowledge and skills necessary for entry-level employment in a Mobile Development career
- Utilize the features of the XCode IDE and Swift language efficiently and effectively
- Build maintainable and robust Swift real-world applications
- Complete a series of professional portfolio projects that can be shown to potential employers
- Develop and implement designs for mobile applications
- Coordinate with a team using Git, GitHub, and project management apps to create and complete projects
- Create projects that interact with local data and data from the cloud
- Review existing technologies and how to appropriately use them

Certificates and Licensure

- MTECH Program Certificate in iOS Development
- Students are required to put an App on the Apple App Store

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEAP1010 - Swift Fundamentals	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	50	300

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEAP1020 - Basic SwiftUI	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEAP1840 - Career Readiness	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Course Name	Course Hours	Course Credits
TEAP1030 - Intro to Computer Science with Swift	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEAP1850 - Frameworks and Advanced Development	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEAP1310 - Intermediate SwiftUI	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEAP 1410 - Project Prototyping and Planning	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEAP1450 - Networking and Data Storage	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEAP1900 - Capstone Project	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEAP1520 - UIKit Overview	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEAP1910 - Group Final Project I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEAP1780 - Full App Development	60	2

Course Name	Course Hours	Course Credits
TEAP1920 - Group Final Project II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEAP1010 Swift Fundamentals
- TEAP1020 Basic SwiftUI
- TEAP1030 Intro to Computer Science with Swift
- TEAP1310 Intermediate SwiftUI
- TEAP1450 Networking and Data Storage
- TEAP1520 UIKit Overview
- TEAP1780 Full App Development
- TEAP1840 Career Readiness
- TEAP1850 Frameworks and Advanced Development
- TEAP 1410 Project Prototyping and Planning
- TEAP1900 Capstone Project
- TEAP1910 Group Final Project I
- TEAP1920 Group Final Project II

Registration Info

Enrollment Available To:
HS Juniors; must be at least 16 years old, Adults, HS Seniors; must be at least 17 years old

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi	April 29, 2026	August 16, 2026	August 17, 2026

Prerequisites

Program Specific Prerequisites

- Proficient in digital literacy and computer skills
- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building B	222	24

Lehi Schedule Notes
iOS developers work in computer systems design and related services. They work in offices or remotely and on teams with other software developers or quality assurance analysts and testers. 240 hours of the program hours are hybrid hours that are done outside of the classroom.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/27/2027	7:30 am - 10:30 am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/27/2027	11:30am - 2:30 am	Monday - Friday

Cost

Total Program Tuition	Total Program Fees
3750	50

Total Cost of Program
3800

Total Cost of Program
3650

Required Materials

REQUIRED MATERIALS	NOTES	COST
Online internet connectivity for at-home learning	This program is a hybrid program and requires online learning as well as virtual attendance. Access to internet connectivity is required.	$0.00
Option 1: Use of own personal computing device - pre-approval required by Program Coordinator	To be eligible for this fee, students must have their own Apple device that meets these specifications: 8 GB Memory; 128GB SSD; USB or HDMI Ports. Students must produce their device and have the Mobile Development Coordinator test and approve their device in order to obtain permission for the reduced fee.	$0.00
Option 2: MacBook Air - Grey	Program fee includes: MacBook Air (13.6 inch): 8-Core CPU, 8-Core GPU, 8GB Unified Memory, 256GB SSD, m3 chip	$1,000.00
Option 3: MacBook Pro 14" - Gray	Program fee includes: MacBook Pro (14 inch): 8-Core CPU, 10-Core GPU, 16GB Unified Memory, 1TB SSD, m3 chip	$1,900.00
Apple Developer Account	This program requires that students put an App on the Apple App Store. That requires every adult student to have a developer account.	$99.00

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
Additional Monitor/ Connection Cables for at home learning	This program is a hybrid program and requires online learning as well as virtual attendance. Access to a second monitor is suggested	$0.00
AI Subscription		$20.00/ month

TEAQ - Software Quality Assurance

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
Software Quality Assurance

Total Program Hours
360

Total Program Credits
12

Total Length of Time to Complete the Program
5.5 months

CIP Code
15.1204

Program Code
TEAQ

Program Description

The Software Quality Assurance program covers all aspects of software quality assurance, from manual testing to automated testing, API testing, and database management. The program is designed to provide students with a deep understanding of software quality assurance principles, techniques, and tools to equip them with the skills required to ensure the delivery of high-quality software products.

Upon program completion, students will be able to:

• Demonstrate software quality assurance principles and techniques and explain their role in ensuring the delivery of high-quality software products.

• Perform manual testing, automated testing, API testing, and database management.

• Describe the different types of software testing and how they are used to ensure software quality.

• Design, develop, and execute automated tests using industry-standard test automation frameworks and scripting languages.

• Explain principles of API testing, including load testing and endpoint testing, and develop skills in designing and executing these types of tests.

• Demonstrate testing, implementing, and managing databases, including data modeling, database normalization, indexing, data integrity, and data security.

• Demonstrate problem-solving and critical thinking skills by working on real-world software quality assurance projects.

• Present the importance of quality assurance in software development and its impact on business success.

Certificates and Licensure

- MTECH Program Certificate in Software Quality Assurance

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEAQ1000 - Introduction to Quality Assurance	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	50	300

Course Name	Course Hours	Course Credits
TEAQ1015 - Backend Testing	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEAQ1020 - Automated Testing	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEAQ1018 - Automated Testing Essentials	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEAQ1050 - Capstone Project	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEAQ1000 Introduction to Quality Assurance
- TEAQ1015 Backend Testing
- TEAQ1018 Automated Testing Essentials
- TEAQ1020 Automated Testing
- TEAQ1050 Capstone Project

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi	April 29, 2026	August 16, 2026	August 17, 2026
Lehi	August 2026	January 4, 2027	January 5, 2027

Prerequisites

Program Specific Prerequisites

- Basic computer and digital literacy skills are required
- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building B	208	16

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 02/01/2027	7:30 am - 10:30 am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 02/01/2027	11:30 am - 2:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027 - 06/16/2027	7:30 am - 10:30 am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027 - 06/16/2027	11:30 am - 2:30 pm	Monday - Friday

Cost

Total Program Tuition
1500

Total Program Fees
50

Total Cost of Program
1550

Total Cost of Program
1490

Optional Materials

MATERIALS	NOTES	COSTS
AI Subscription		$20.00/month
Headphones		$9.00

TEAU - Automotive Maintenance and Light Repair

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Automotive Maintenance and Light Repair

Total Program Hours
540

Total Program Credits
18

Total Length of Time to Complete the Program
9 months

CIP Code
47.0600

Program Code
TEAU

Program Description

The Automotive Maintenance and Light Repair program prepares students with foundational skills and knowledge for entry-level employment as automotive technicians, with hands-on instruction in brakes; suspension and steering; electrical systems; and maintenance and light repair, along with an emphasis on safety and workplace professionalism.

Time in the program consists of a hands-on approach to learning in our sophisticated and newly constructed automotive shop. Coursework includes web-based training for Ford, Subaru, Hyundai/Genesis, and Mercedes Benz.

Upon program completion, students will be able to:

• Demonstrate safe working habits and practice.

• Demonstrate the service, maintenance, operation, and function of the core systems related to

automotive vehicles.

• Build and maintain good working relationships.

Certificates and Licensure

MTECH Program Certificate in Automotive Technology MLR and

The following ASE Certifications:

- G1 - Maintenance and Light Repair
- A6 - Electrical
- A4 - Suspension and Steering
- A5 - Brakes

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEAU1045 - Maintenance & Light Repair I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	549	799

Course Name	Course Hours	Course Credits
TEAU2045 - Maintenance & Light Repair II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEAU2055 - Maintenance & Light Repair III	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	90	215

Course Name	Course Hours	Course Credits
TEAU1610 - Electrical I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	153	403

Course Name	Course Hours	Course Credits
TEAU2610 - Electrical II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEAU2655 - Electrical III	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	90	215

Course Name	Course Hours	Course Credits
TEAU1410 - Suspension and Steering I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	147	397

Course Name	Course Hours	Course Credits
TEAU2405 - Suspension and Steering II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	90	340

Course Name	Course Hours	Course Credits
TEAU1510 - Brakes I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	178	428

Course Name	Course Hours	Course Credits
TEAU2505 - Brakes II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	90	340

Registration Info

Enrollment Available To:

HS Juniors; must be at least 16 years old, High School Seniors, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE	CL TIM
Lehi	April 29, 2026	August 16,2026	August 2026	7:3 AM
Lehi	April 29, 2026	August 16,2026	August 2026	11: AM
Lehi	April 29, 2026	August 16,2026	August 2026	6:0 PM
Payson	April 29, 2026	August 16,2026	August 2026	7:3 AM
Payson	April 29, 2026	August 16,2026	August 2026	11: AM
Heber	April 29, 2026	August 16,2026	August 2026	7:3 AM
Heber	April 29, 2026	August 16,2026	August 2026	11: AM

Prerequisites

Prerequisites
High school students should coordinate with their high school counselors prior to registration.

Program Specific Prerequisites
- All students must have a valid driver's license. A copy must be emailed to automotive@mtec.edu prior to registration.
- All courses must be completed with a C grade or better in order to continue into the next course.
- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center or provide qualifying documentation to waive the assessment.

Schedule

Lehi
Lehi Building B

Lehi Room Number
111

Lehi Maximum Enrollment
22 (20 for 6PM class)

Lehi Schedule Notes
Students will have 3 hours of hybrid each week.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	6:00 pm - 9:00 pm	Monday - Thursday; Friday Hybrid

Lehi 2
Lehi Building B

Heber
Heber Valley Campus

Heber Room Number
131

Heber Maximum Enrollment
15

Heber Schedule Notes
Students will have 3 hours of hybrid each week.

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	7:30 am - 10:30 am	Monday - Thursday, Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	11:45 am - 2:45 pm	Monday - Thursday, Friday Hybrid

Payson
Payson

Payson Room Number
131

Payson Maximum Enrollment
22

Payson Schedule Notes
Students will have 3 hours of hybrid each week.

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	7:30 am - 10:30 am	Monday - Thursday, Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	11:45 am - 2:45 pm	Monday - Thursday, Friday Hybrid

Cost

Total Program Tuition
2250

Total Program Fees
1387

Total Cost of Program
3683

Total Cost of Program
3593

Required Materials

REQUIRED MATERIALS	NOTES	COST
Modern Automotive Technology 11th Bundle edition(Goodheart/Wilcox)	9798891189911	Included in Student Fees
Tablet (Samsung) & Case		Included in student fees
Flashlight	Available in the MTECH Store	$7.00
Shop Work shirt	Available in the MTECH Store, Students are required to purchase 1 shirt	$35.00
Tool Kit	Students may bring or purchase their own tools, but aren't required to do so	$0.00
Safety Glasses	Available in the MTECH Store	$4.00

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
GEARWRENCH Professional Bi-Directional Diagnostic Scan Tool | GWSMARTBT	For iPhone & Android	$110

Industry Exams

INDUSTRY EXAMS	NAME OF EXAM	ADDITIONAL INFORMATION	COST
G1 Maintenance and Light Repair	ASE Exam - G1	Paid for at the time of registration for the G1 Maintenance and Light Repair Course	Included in Course Fees
A6 Electrical	ASE Exam - A6	Paid for at the time of registration for the A6 Electrical Course	Included in Course Fees
A4 Suspension and Steering	ASE Exam - A4	Paid for at the time of registration for the A4 Suspension and Steering Course	Included in Course Fees
A5 Brakes	ASE Exam - A5	Paid for at the time of registration for the A5 Brakes Course	Included in Course Fees

TEAU - Automotive Technology

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Automotive Technology

Total Program Hours
660

Total Program Credits
22

Total Length of Time to Complete the Program
12 months

CIP Code
470604

Program Code
TEAU

Program Description

The Automotive Technology program prepares students with diversified employment skills and knowledge as master automotive technicians, including hands-on instruction in brakes; suspension and steering; manual drivetrain and transaxles; electrical/electronic systems; engine performance; preventative maintenance; safety; professionalism; and workplace relations.

Upon program completion, students will be able to:

- Demonstrate safe working habits and practice.
- Demonstrate the service, maintenance, operation, and function of the core systems related to automotive vehicles.
- Build and maintain good working relationships.

Certificates and Licensure

Certificates and Licensure

- MTECH Program Certificate in Automotive Technology
- Students are prepared to take the ASE certification tests as they complete each course in the program.
- Environmental Protection Agency (EPA) Section 609 Refrigerant Handlers license. One attempt at passing this exam is included in the course fees for the A7 HVAC course. This exam is taken in the classroom the last week of the course.
- Program fees include the cost of one attempt at the ASE test for each individual course. Tests are conducted at the MTECH Lehi Campus. If a retake is necessary, students are responsible for scheduling and paying for the test. Retake tests can be arranged through the Prometric Testing Center, located at 350 S. 400 W., Suite 200, Lindon, UT 84042, or through the ASE website (ase.com).

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEAU1701 - Heating, Ventilation, and Air Conditioning (HVAC) I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	166	416

Course Name	Course Hours	Course Credits
TEAU2710 - Heating, Ventilation, and Air Conditioning (HVAC) II	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	115	240

Course Name	Course Hours	Course Credits
TEAU1301 - Manual Drive Train and Axles I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	242	492

Course Name	Course Hours	Course Credits
TEAU2301 - Manual Drive Train and Axles II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	90	340

Course Name	Course Hours	Course Credits
TEAU1202 - Automatic Transmissions and Transaxles I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	223	473

Course Name	Course Hours	Course Credits
TEAU2210 - Automatic Transmissions and Transaxles II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEAU2260 - Automatic Transmissions and Transaxles III	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	90	215

Course Name	Course Hours	Course Credits
TEAU1805 - Engine Performance I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	213	463

Course Name	Course Hours	Course Credits
TEAU2805 - Engine Performance II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	90	465

Course Name	Course Hours	Course Credits
TEAU1101 - Engine Repair I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	203	453

Course Name	Course Hours	Course Credits
TEAU2101 - Engine Repair II	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Course Name	Course Hours	Course Credits
TEAU2150 - Engine Repair III	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	90	340

Simple Requirements

(No Requirement Levels)

Untitled Requirement

Type
Completion Requirement

Complete ALL of the following Courses:

- TEAU1701 Heating, Ventilation, and Air Conditioning (HVAC) I
- TEAU2710 Heating, Ventilation, and Air Conditioning (HVAC) II
- TEAU1301 Manual Drive Train and Axles I
- TEAU2301 Manual Drive Train and Axles II
- TEAU1202 Automatic Transmissions and Transaxles I
- TEAU2210 Automatic Transmissions and Transaxles II
- TEAU2260 Automatic Transmissions and Transaxles III
- TEAU1805 Engine Performance I
- TEAU2805 Engine Performance II
- TEAU1101 Engine Repair I
- TEAU2101 Engine Repair II
- TEAU2150 Engine Repair III

Registration Info

Enrollment Available To:

High School Juniors; must be at least 16 years old, High School Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE	CL TI
Lehi	April 2027		August 2027	7:3 AM
Lehi	April 2027		August 2027	11 AM
Lehi	April 2027		August 2027	6:(PM
Payson	April 2027		August 2027	7:3 AM
Payson	April 2027		August 2027	11 AM
Heber	April 2027		August 2027	7:3 AM
Heber	April 2027		August 2027	11 AM

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center

Program Specific Prerequisites
Students need to have completed Automotive MLR Program.

Schedule

Lehi
Lehi Building B

Lehi Room Number
109, 111

Lehi Maximum Enrollment
22 (20 for 6PM classes)

Lehi Schedule Notes
Class is held Monday - Thursday; Each Friday is hybrid. The 1st and 3rd Fridays each month are hybrid with no in-person classes. The 2nd, 4th and 5th Fridays each month are hybrid, but have open shop available to students caught up on assignments.

Lehi Schedule

Term	Start Time - End Time	Days
Fall 2027	7:30 AM-10:30 AM	Mon-Thur (Hybrid Friday)

Term	Start Time - End Time	Days
Fall 2027	11:30 AM - 2:30 PM	Mon-Thur (Hybrid Friday)

Lehi 2
Lehi Building B

Heber
Heber Valley Campus

Heber Room Number
131

Heber Maximum Enrollment
16

Heber Schedule Notes
Class is held Monday - Thursday; Each Friday is hybrid. The 1st and 3rd Fridays each month are hybrid with no in-person classes. The 2nd, 4th and 5th Fridays each month are hybrid, but have open shop available to students caught up on assignments.

Heber Schedule

Term	Start Time - End Time	Days
Fall 2027	7:30 AM-10:30 AM	Mon-Thur (Hybrid Friday)

Term	Start Time - End Time	Days
Fall 2027	11:45 AM-2:45 PM	Mon-Thur (Hybrid Friday)

Payson
Payson

Payson Room Number
131

Payson Maximum Enrollment
22

Payson Schedule Notes
Class is held Monday - Thursday; Each Friday is hybrid. The 1st and 3rd Fridays each month are hybrid with no in-person classes. The 2nd, 4th and 5th Fridays each month are hybrid, but have open shop available to students caught up on assignments.

Payson Schedule

Term	Start Time - End Time	Days
Fall 2027	7:30 AM-10:30 AM	Mon-Thur (Hybrid Friday)

Term	Start Time - End Time	Days
Fall 2027	11:45 AM - 2:45 PM	Mon-Thur (Hybrid Friday)

Cost

Total Program Tuition
2750

Total Program Fees
1047

Total Cost of Program
4272

Required Materials

REQUIRED MATERIALS	NOTES	COST
Modern Automotive Technology 10th Edition (Goodheart/ Wilcox)	9781649254177	Included in Automotive MLR Student Fees
Tablet (Samsung)		Included in Automotive MLR Student Fees
Tablet Case		Included in Automotive MLR Student Fees
Flashlight	Available in the MTECH Store	$7.00
Shop Work shirt	Available in the MTECH Store, Students are required to purchase 1 shirt	$35.00
Tool Kit	Students may bring or purchase their own tools, but aren't required to do so	$0.00
Safety Glasses	Available in the MTECH Store	$4.00

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
BlueDriver Bluetooth Pro OBD2 Car Diagnostic Scan Tool	For Iphone & Android	$100

Industry Exams

INDUSTRY EXAMS	NAME OF EXAM	ADDITIONAL INFORMATION	COST
A1 Engine Repair	**ASE Exam - A1**	**Included in Course Fees**	**$90**
A2 Automatic Transmission/ Transaxle	**ASE Exam - A2**	**Included in Course Fees**	**$90**
A3 Manual Drive Train and Axles	**ASE Exam - A3**	**Included in Course Fees**	**$90**
A7 HVAC	**ASE Exam - A7**	**Included in Course Fees**	**$90**
A7 HVAC	**EPA 609 Refrigerant Handling License Certification Exam**	**Included in Course Fees**	**$25**
A8 Engine Performance	**ASE Exam - A8**	**Included in Course Fees**	**$90**

TECA - Culinary Arts

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
Culinary Arts

Total Program Hours
900

Total Program Credits
29

Total Length of Time to Complete the Program
9 months

CIP Code
12.0503

Program Code
TECA

Program Description

The Culinary Arts program prepares students by teaching the fundamental principles and techniques of professional cooking and baking. Students learn through classroom lectures, guest speakers, presentations, and hands-on activities for commercial kitchens. Students learn, develop, and test their skills by using different cooking methods to cook vegetables, starches, proteins, soups, sauces, and many other foods. They also develop and test their skills in baking breads, cakes, cookies, pastries, pies, and more.

Upon program completion, students will be able to:

• Receive state-approved food safety management certification.

• Demonstrate kitchen safety in a professional environment.

• Define key culinary terms, processes, and methods. • Demonstrate customer service and guest hospitality.

• Demonstrate professionalism through repetition by preparing and plating foods daily.

• Preparing classic dishes using appropriate cooking principles.

Certificates and Licensure

- MTECH Program Certificate in Culinary Arts
- Preparation and opportunity to certify for ServSafe Manager Certificate

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TECA1010 - Introduction to Culinary Arts	30	1
Course Tuition	**Course Fees**	**Total Cost of the Course**
125	600	725

Course Name	Course Hours	Course Credits
TECA1000 - Sanitation and Safety	30	1
Course Tuition	**Course Fees**	**Total Cost of the Course**
125	36	161

Course Name	Course Hours	Course Credits
TECA1020 - Culinary Math	30	1
Course Tuition	**Course Fees**	**Total Cost of the Course**
125	0	125

Course Name	Course Hours	Course Credits
TECA1100 - Culinary I	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	0	375

Course Name	Course Hours	Course Credits
TECA1200 - Soups, Stocks, and Sauces	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	0	375

Course Name	Course Hours	Course Credits
TECA1400 - Garde Manger - Cold Kitchen	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	0	375

Course Name	Course Hours	Course Credits
TECA1500 - Baking I	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	0	375

Course Name	Course Hours	Course Credits
TECA1600 - Baking II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TECA1110 - Culinary Techniques	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TECA1820 - Nutrition	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Course Name	Course Hours	Course Credits
TECA1130 - Advanced Culinary Techniques	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TECA1810 - Front of House Restaurant Management	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Course Name	Course Hours	Course Credits
TECA1210 - World Cuisine	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TECA1800 - Job Seeking Skills	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Course Name	Course Hours
TECA1920 - Culinary Arts Externship	90/2

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TECA1010 Introduction to Culinary Arts
- TECA1000 Sanitation and Safety
- TECA1020 Culinary Math
- TECA1100 Culinary I
- TECA1200 Soups, Stocks, and Sauces
- TECA1400 Garde Manger - Cold Kitchen
- TECA1500 Baking I
- TECA1110 Culinary Techniques
- TECA1600 Baking II
- TECA1820 Nutrition
- TECA1130 Advanced Culinary Techniques
- TECA1810 Front of House Restaurant Management
- TECA1210 World Cuisine
- TECA1800 Job Seeking Skills
- TECA1920 Culinary Arts Externship

Registration Info

Enrollment Available To:
HS Juniors; must be at least 16 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi, Payson	April 29, 2026	August 16, 2026	August 17, 2026
Lehi	August 2026	January 4, 2027	January 5, 2027

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center

Schedule

Lehi
Lehi Building A

Lehi Room Number
114, 115

Lehi Maximum Enrollment
24

Lehi Schedule Notes
Spring maximum enrollment is 12.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 05/19/2027	7:30am - 11:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 05/19/2027	12:00pm - 4:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 05/19/2027	4:00pm - 9:00pm	Monday - Thursday

Heber
Heber Valley Campus

Heber Room Number
120, 140

Heber Maximum Enrollment
20

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 05/19/2027	7:30am - 11:30pm	Monday - Friday

Payson
Payson

Payson Room Number
116

Payson Maximum Enrollment
16

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 05/19/2027	7:30 am - 11:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 05/19/2027	12:00pm - 4:00pm	Monday - Friday

Cost

Total Program Tuition
3625

Total Program Fees
636

Total Cost of Program
4261

Total Cost of Program
4116

Required Materials

REQUIRED MATERIALS	NOTES	COST
On Cooking eTextbook, 7th Edition	978138094317	Included in Course Fees
Thermoworks ProNeedle Culinary Thermometer		Included in Course Fees
Visual Knife Skills Set I	MS1 024	Included in Course Fees
Small Knife Set w/Bag	Sysco 8" CHEF'S KNIFE-MILLENNIA M22608B; 8" BREAD KNIFE-MILLENNIA M22508B; 3" PARING KNIFE M23900; 10" STEEL -GENESIS M21010B; KNIFE ROLL-7 POCKETS; M30007M	Included in Course Fees
Chef Uniform	Embroidered Chef Coat, Pants, Hat, Marker	$66
Access to personal computing device and internet connectivity	This program is a hybrid program and requires online learning. Access to a personal computing device is required for online learning	$0

Optional Materials

OPTIONAL MATERIALS	NOTEES	COST
Large Knife Set w/bag:	Sysco 8" CHEF'S KNIFE-MILLENNIA M22608B; 8" X 2" KNIFE GUARD M33113; 3" PARING M23900; 4" X 1" KNIFE GUARD M33110; 10" WIDE BREAD KNIFE - MILLENNIA M23210B; 10" X 2" KNIFE GUARD M33112; 6" BONING KNIFE-MILLENNIA M22306B; 6 X 1" KNIFE GUARD M33111; MINI MERCER RULES - ENGLISH M33243; SWIVEL PEELER-PLASTIC HANDLE M33091; KNIFE ROLL-7 POCKETS M30007M	$110

Industry Exams

EXAM	NOTES	COST
ServSafe Certification Exam		Included in Course Fee

TECD - Commercial Driver's License - Class A

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Commercial Driver's License - Class A

Total Program Hours
180

Total Program Credits
6

Total Length of Time to Complete the Program
4-7 Weeks

CIP Code
49.0205

Program Code
TECD

Program Description

The Commercial Drivers License - Class A (CDL) program prepares students with the skills and knowledge they need to join the professional driving industry. This course fulfills Entry Level Driver Training requirements for CDL training in accordance with Part 380 of the Federal Motor Carriers Safety Regulations.

Upon program completion, students will be able to:

• Demonstrate basic truck operating procedures.

• Demonstrate safe operating procedures.

• Learn and practice advanced operating procedures.

• Practice vehicle inspections (pre/post-trip).

• Review non-driving activities.

Certificates and Licensure

- MTECH Program Certificate in Commercial Truck Driving
- State of Utah Commercial Driving License A (CDLA)
- T-Doubles and Triples Endorsement
- Tanker Endorsement

Required Courses

Course Name, Tuition, and Fees

Course Name
TECD1100 - Commercial Driver's License - Class A

Course Hours
180

Course Credits
6

Course Tuition
750

Course Fees
1070

Total Cost of the Course
1820

Simple Requirements

Subplan

Commercial Drivers License Class A

Type
Completion Requirement

Complete ALL of the following Courses:
- TECD1100 Commercial Driver's License - Class A

Registration Info

Enrollment Available To:
Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	PROGRAM START DATE
Lehi Campus	Contact Lead Instructor	Refer to Program Schedule

Prerequisites

Program Specific Prerequisites
- Must be at least 18 years old.
- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Must have a valid Utah driver's license.
  - Students must have license for at least one year
- Students are required to provide MTECH a current copy of a Motor Vehicle Report (MVR) on the first day of class.
- Must pass a Department of Transportation (DOT) drug test and DOT physical. These tests will be administered after enrollment of the program, but before driving any of the college vehicles. These tests are included in course fees.
- Students must contact the lead instructor before enrolling in the program to ensure eligibility has been met. Contact Randy Reid at (801) 427-4615.

Schedule

Lehi
Lehi Building A

Lehi Room Number
306

Lehi Maximum Enrollment
3

Lehi Schedule Notes
Day classes are offered over a 4.5-week period.
Night classes are offered over a 7-week period.
Please contact Randy Reid for the next available start date and to be added to the waitlist.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	Bimonthly start dates	8:00 am - 4:00 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Evening classes begin every other month.	Fall/Winter Hours - 4: 00 pm - 9:00 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	Evening classes begin every other month.	Spring/Summer Hours - 5:00 pm - 10:00 pm	Monday - Friday

Heber
Heber Valley Campus

Heber Room Number
D116

Heber Maximum Enrollment
3

Heber Schedule Notes
Day classes are offered over a 4.5-week period. Class time is from 8:00 am - 4:00 pm.
Please contact Randy Reid for the next available start date and to be added to the waitlist.

Heber Schedule

Start Date - End Date	Start Time - End Time	Days
Bimonthly start dates	8:00 am - 4:00 pm	Monday - Friday

Cost

Total Program Tuition
750

Total Program Fees
1070

Total Cost of Program
1820

Total Cost of Program
1790

Required Materials

REQUIRED MATERIALS	NOTES	COST
State of Utah CDL Driver Handbook		(supplied by the CDL Program)
FDOT Daily Hours of Service Log Book		(supplied by the CDL Program)
Federal Motor Carrier Safety Regulations (JJ Keller)		(supplied by the CDL Program)
CDL Practice Testing Materials		(supplied by the CDL Program)
Road Atlas		(in class use only)

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
Flashlight	Recommended	Students may purchase on their own, but not required for class
Leather Gloves	Recommended	Students may purchase on their own, but not required for class
Additional Test Attempts	Students must pay for additional attempts	2 test attempts are covered in Program fees

Industry Exams

NAME OF EXAM	ADDITIONAL INFORMATION	COST
Utah Commercial Driver's License Class A	2 test attempts paid at registration time ($52 each)	Included in program fees
T-Doubles and Triples Endorsements	Paid at registration time ($9)	Included in program fees
N-Tanker Endorsement	Paid at registration time ($9)	Included in program fees

TECF - Fabrication and Fitting

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Fabrication and Fitting

Total Program Hours
630

Total Program Credits
21

Total Length of Time to Complete the Program
11 months

CIP Code
48.0511

Program Code
TECF

Program Description

In the Fabrication and Fitting program, students will learn the base principles and practices of metal fabrication across a wide variety of industrial standards. Students will learn how to read blueprints and assemble metal products according to engineered drawings. They will also learn fabrication skills, according to specific standards and codes set in place by major industrial organizations, such as the American Welding Society and the American Petroleum Institute.

Upon program completion, students will be able to:

• Operate common fabrication equipment such as drill presses, brake presses, and overhead cranes in the safest manner possible.

• Sketch drawings of fabricated product based on the application, using fundamentals of design.

• Apply the mathematics of engineering to produce a blueprint or drawing.

• Operate common machinery found in a fabrication shop, including the pipe threader, CNC tables, and overhead cranes.

• Turn drawings into physical fabricated products, including steel pipe assemblies, structural components, and any other form of metal product that would require different skills to build.

• Operate basic welding equipment, thermal cutting equipment, and hand-tools to effectively fabricate a wide range of products.

Certificates and Licensure

- MTECH Program Certificate in Fabrication and Fitting

Required Courses

Course Name, Tuition, and Fees

Course Name
TECF1011 - Blueprint Reading/Fabrication Math

Course Hours
90

Course Credits
3

Course Tuition
375

Course Fees
340

Total Cost of the Course
715

Course Name	Course Hours	Course Credits
TECF1012 - Introduction to Cutting and Welding	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	20	395

Course Name	Course Hours	Course Credits
TECF1050 - Crane Rigging, Safety, and Operation	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	30	280

Course Name	Course Hours	Course Credits
TECF1025 - Structural Fabrication I	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	100	475

Course Name	Course Hours	Course Credits
TECF1035 - Structural Fabrication II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	30	280

Course Name	Course Hours	Course Credits
TECF1072 - Pipe Fitting I	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	125	500

Course Name	Course Hours	Course Credits
TECF1075 - Pipe Fitting II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	20	270

Course Name	Course Hours	Course Credits
TECF1081 - Final Project	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	30	405

Simple Requirements

(No Requirement Levels)

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TECF1011 Blueprint Reading/Fabrication Math
- TECF1012 Introduction to Cutting and Welding
- TECF1050 Crane Rigging, Safety, and Operation
- TECF1025 Structural Fabrication I
- TECF1035 Structural Fabrication II
- TECF1072 Pipe Fitting I
- TECF1075 Pipe Fitting II
- TECF1081 Final Project

Registration Info

Enrollment Available To:
HS Juniors; must be at least 16 years old, HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi	April 29, 2026	August 16, 2026	August 17, 2026

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building B	116	15

Lehi Schedule Notes

Course Order:
Blueprint Reading/Fabrication Math
Intro to Cutting and Welding
Crane Rigging, Safety, and Operation
Structural Fabrication I
Structural Fabrication II
Pipe Fitting I
Pipe Fitting II
Final Project

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/16/2027	7:30 am - 10:30 am	M - TH, Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/16/2027	11:30 am - 2:30 am	M - TH, Friday Hybrid

Cost

Total Program Tuition
2625

Total Program Fees
695

Total Cost of Program
3697

Total Cost of Program
3592

Required Materials

MATERIALS	NOTES	COST
Blueprint Reading for Welders; 9th Edition	9781133605782	Included in Course Fees
Rigging Handbook; 5th Edition	9781888724189	Included in Course Fees
The Pipe Fitters Bluebook	9780970832122	Included in Course Fees
Required Tools, PPE	Available at the MTECH Store	$377.00
AWS Subscription	Subscription set up through instructor	included in Course Fees

TECI - Civil Construction I

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Civil Construction I

Total Program Hours
120

Total Program Credits
4

Total Length of Time to Complete the Program
4 months

CIP Code
46.0415

Program Code
TECI

Program Description

The Civil Construction I program will equip students with the essential knowledge and skills needed for a successful career in the construction industry. The program covers various aspects of civil construction, ensuring a well-rounded education for successful employment.

Upon program completion, students will be able to:

● Describe aspects of civil construction, including standard processes from bid to project hand-off.

● Identify the operation of various heavy equipment used in civil construction projects.

● Demonstrate integration of environmental considerations and sustainable practices.

● Demonstrate safety protocols.

● Demonstrate blueprint reading and measurement skills.

● Explain soil types and gradations.

● Describe essential elements of properly placing asphalt paving.

● Discuss importance of utilities management.

Required Courses

Course Name, Tuition, and Fees

Course Name
TECI1010 - Civil Construction Fundamentals

Course Hours
120

Course Credits
4

Course Tuition
500

Course Fees
50

Total Cost of the Course
550

Simple Requirements

(No Requirement Levels)

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:
- TECI1010 Civil Construction Fundamentals

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi Building B	April 29, 2026	August 16, 2026	August 19, 2026
Lehi Building B	August 2026	January 4, 2027	January 5, 2027

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center

Schedule

Lehi
Lehi Building B

Lehi Room Number
209

Lehi Schedule Notes
Students will be required to complete simulator time and their capstone requirement outside of regular class hours. These hours are HYBRID hours and must be complete before the scheduled last day of class.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/19/2026 - 12/18/2026	7:30 am - 10:30 am	A Days

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/19/2026 - 12/18/2026	11:30 am - 2:30 pm	A Days

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/19/2026 - 12/18/2026	6:00 pm - 9:00 pm	Tuesday, Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/3/2026 - 3/12/2027	7:30 AM - 10:30 AM	Alpine School District B Days - Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/3/2026 - 3/12/2027	11:30 AM - 2:30 PM	Alpine School District B Days - Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 5/10/2027	7:30 AM - 10:30 AM	Alpine School District A Days-Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 5/10/2027	11:30 AM - 2:30 AM	Alpine School District A Days-Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 5/10/2027	6:00 PM - 9:00 PM	T, TH + one hybrid evening

Cost

Total Program Tuition
500

Total Program Fees
50

Total Cost of Program
550

Total Cost of Program
570

TECS - Cosmetology

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
Cosmetology

Total Program Hours
1250

Total Program Credits
32

Total Length of Time to Complete the Program
9-14 months

CIP Code
12.0401

Program Code
TECS

Program Description

The Cosmetology Program is designed to prepare students for employment in cosmetology, barbering, and hair design, as well as skin and nail care. This program prepares students for employment in a salon and/or to open a new salon or barbering business. Students in this program develop communication, professional behavior, and other core skills for working in this profession. Students work with guests in a well-equipped lab and perform these skills with the newest techniques, products, and equipment available in the industry. Students learn to communicate with customers, analyze skin, hair, and nails, and perform the duties of hair cutting, coloring, styling, chemical texture services, basic skin and nail care, and hair extension procedures.

Upon completion of the program, students are prepared to take the National Interstate Council of State Boards of Cosmetology/Barbering Licensure, and examination required for licensure.

Upon program completion, students will be able to:

• Complete 1250 clock hours.

• Demonstrate principles and cosmetology/barbering skills: shampooing, arranging, dressing, curling, styling, men and women haircutting, straight razor shaving, hair extensions, chemical texture services, haircoloring, skin care, nail services, and other concepts essential to becoming a successful cosmetologist/barber.

• Demonstrate principles and practices related to nail technology skills, manicuring, pedicuring, gel, and acrylic application, manual and electric filing, polishing, nail removal, client consultation and other concepts essential to becoming a successful nail technician.

• Demonstrate principles and practices related to esthetics and facial treatments.

• Explain general sciences related to cosmetology/barbering such as anatomy, infection control, hair structure, skin and nail structure, diseases and disorders, chemistry and electricity.

• Demonstrate salon processes and etiquette with sanitation procedures necessary for the health and safety of clients and workers.

• Perform cosmetology/barbering services on mannequins and public guests.

• Communicate effectively with salon guests and coworkers.

• Demonstrate communication through electronic, verbal, and written formats.

• Prepare for state board licensure examinations and licensing for the State of Utah.

• Explain and practice first aid.

Certificates and Licensure

- MTECH Program Certificate in Cosmetology
- Students are prepared to take the State of Utah written and practical exam to become a licensed Cosmetologist

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TECS1005 - Design Basics	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	1291	1666

Course Name	Course Hours	Course Credits
TECS1020 - Barbering Basics	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	143	393

Course Name	Course Hours	Course Credits
TECS1031 - Chemical Services Basics	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	121	496

Course Name	Course Hours	Course Credits
TECS1080 - Esthetics Basics	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	71	321

Course Name	Course Hours	Course Credits
TECS1090 - Nails Basics	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	256	506

Course Name	Course Hours	Course Credits
TECS2915 - Professional Skills	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	371	746

Course Name	Course Hours	Course Credits
TECS2901 - Cosmetology/Barbering Clinical I	135	3

Course Tuition	Course Fees	Total Cost of the Course
275	125	500

Course Name	Course Hours	Course Credits
TECS2912 - Clinical II	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	100	475

Course Name	Course Hours	Course Credits
TECS2922 - Clinical III	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	114	489

Course Name	Course Hours	Course Credits
TECS2931 - Clinical IV	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	120	495

Course Name	Course Hours	Course Credits
TECS2943 - Clinical V	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	130	505

Course Name	Course Hours	Course Credits
TECS2921 - Clinical VI B	125	2

Course Tuition	Course Fees	Total Cost of the Course
250	411	661

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TECS1005 Design Basics
- TECS1020 Barbering Basics
- TECS1031 Chemical Services Basics
- TECS2915 Professional Skills
- TECS1090 Nails Basics
- TECS1080 Esthetics Basics
- TECS2901 Cosmetology/Barbering Clinical I
- TECS2912 Clinical II
- TECS2922 Clinical III
- TECS2931 Clinical IV
- TECS2943 Clinical V
- TECS2921 Clinical VI B

Registration Info

Enrollment Available To:

HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	PRE-REGISTRATION OPEN	PRE-REGISTRATION CLOSE	PROGRAM START DATE
Lehi, Spanish Fork, Heber	March 11, 2026	May 22, 2026	August 1 2026
Lehi, Spanish Fork, Heber	May 29, 2026	August 14, 2026	October 19, 2026
Lehi, Payson	August 19, 2026	October 16, 2026	January 2027
Lehi, Payson, Heber	October 22, 2026	January 4, 2027	March 8, 2027
Lehi, Payson, Heber	January 7, 2027	March 5, 2027	June 1, 2027

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Complete the pre-registration form.
- After acceptance into the program, students must meet with an Admissions Advisor to review the pre-acknowledgment form. High school students should bring a parent or guardian.

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building A	104, 105, 106, 313, 307	TBD

Lehi Schedule Notes

DAY SCHEDULE (40 hr):
9:00am-4:30pm (Mon-Fri)
Your schedule will change as you move through the program, you will attend 8:00am- 4:30.
Hybrid: Online theory work will be required. You need to be committed to be able to do at least 6-8 hours of work from home each week.

EVENING SCHEDULE (26 hr) Full Program:
4:30pm-9:10pm (Mon-Thu) & 7:00am-3:00pm (Sat) Hybrid: Online theory work will be required. You need to be committed to be able to do at least 6-8 hours of work from home each week.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/09/2027	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 09/13/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/19/2026	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/19/2026	Night - See Schedule Notes	Monday - Thursday, Saturday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/08/2027	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/08/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Heber	Heber Room Number	Heber Maximum Enrollment
Heber Valley Campus	115, 116, 117	24

Heber Schedule Notes

DAY SCHEDULE (40 hr):
9:00am-4:30pm (Mon-Fri)
Your schedule will change as you move through the program, you will attend 8:00am- 4:30.
Hybrid: Online theory work will be required. You need to be committed to be able to do at least 6-8 hours of work from home each week.

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026	8:00 am - 4:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/19/2026	8:00 am - 4:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/08/2027	8:00 am - 4:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	8:00 am - 4:30 pm	Monday - Friday

Payson
Payson

Payson Room Number
B - TBD

Payson Maximum Enrollment
TBD

Payson Schedule Notes

DAY SCHEDULE (40 hr):
9:00am-4:30pm (Mon-Fri)
Your schedule will change as you move through the program, you will attend 8:00am- 4:30.
Hybrid: Online theory work will be required. You need to be committed to be able to do at least 6-8 hours of work from home each week.

EVENING SCHEDULE (26 hr) Full Program:
4:30pm-9:10pm (Mon-Thu) & 7:00am-3:00pm (Sat) Hybrid: Online theory work will be required. You need to be committed to be able to do at least 6-8 hours of work from home each week.

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/08/2027	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/08/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Cost

Total Program Tuition
4000

Total Program Fees
3253

Total Cost of Program
7303

Total Cost of Program
7093

Required Materials

REQUIRED MATERIALS	NOTES	COST
Cosmetology Kit		Included in Course Fees
Textbooks		Included in Course Fees
State Board Kit Rental	Required for State of Utah Practical Exam.	$50
Computing Device with Audio/ Video Capabilities and online connectivity		$0

Optional Materials

OPTIONAL MATERIALS	NOTES		COST
Additional Mannequins	up to 10 additional mannequins may be required. Each mannequin is approximately $45		$450

Industry Exams

EXAM		COST
State of Utah Written Exam		$112- Included in Course Fees
State of Utah Practical Exam		$105- Included in Course Fees
State of Utah Licensure Fee		$60 - Included in Course Fees

TECS - Master Hair Design and Master Barber

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
Master Hair Design and Master Barber

Total Program Hours
1005

Total Program Credits
26

Total Length of Time to Complete the Program
7-12 months

CIP Code
12.0407

Program Code
TECS

Program Description

The Master Hair Design and Master Barber program is designed to prepare students to enter the world of hair design and barbering. Students can secure employment in a salon and/or prepare to open a new salon business. Students will develop communication, professional behavior, and the core skills of working in a salon business.

Students will work with salon guests in a well-equipped salon and will perform these skills with the newest techniques, products and equipment in the industry. Students learn to communicate with customers, analyze hair, perform the duties of hair cutting, coloring, styling, and chemical texture services.

Students are prepared to take the National Interstate Council (NIC) Hair Design Theory and Barber Styling Practical examinations required for licensure in the State of Utah.

Upon program completion, students will be able to:

• Complete 1005 clock hours.

• Demonstrate principles and hair design/barbering skills; shampooing, styling, men and women haircutting, straight razor shaving, hair extensions, chemical texture services, haircoloring, and other concepts essential to becoming a successful hair designer and barber.

• Explain general sciences, related to hair design/barbering such as anatomy, infection control, hair structure, diseases and disorders, chemistry and electricity.

• Demonstrate salon processes and etiquette with sanitation procedures necessary for the health and safety of clients and self.

• Perform hair design/barbering services on Mannequins and public guests.

• Communicate effectively with salon guests and coworkers.

• Demonstrates communication through electronic, verbal and written formats.

• Prepare for state board licensure examinations and licensing for the State of Utah.

• Explain and practice first aid.

Certificates and Licensure

- MTECH Program Certificate in Master Hair Design and Master Barber
- Students are prepared to take the State of Utah written and practical exam to be a licensed Master Hair Designer or Master Barber.

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TECS1005 - Design Basics	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	1291	1666

Course Name	Course Hours	Course Credits
TECS1020 - Barbering Basics	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	143	393

Course Name	Course Hours	Course Credits
TECS1031 - Chemical Services Basics	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	121	496

Course Name	Course Hours	Course Credits
TECS2915 - Professional Skills	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	371	746

Course Name	Course Hours	Course Credits
TECS2901 - Cosmetology/Barbering Clinical I	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	125	500

Course Name	Course Hours	Course Credits
TECS2912 - Clinical II	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	100	475

Course Name	Course Hours	Course Credits
TECS2922 - Clinical III	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	114	489

Course Name	Course Hours	Course Credits
TECS2931 - Clinical IV	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	120	495

Course Name	Course Hours	Course Credits
TECS2943 - Clinical V	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	407	782

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TECS1005 Design Basics
- TECS1020 Barbering Basics
- TECS1031 Chemical Services Basics
- TECS2915 Professional Skills
- TECS2901 Cosmetology/Barbering Clinical I
- TECS2912 Clinical II
- TECS2922 Clinical III
- TECS2931 Clinical IV
- TECS2943 Clinical V

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	PRE-REGISTRATION OPEN	PRE-REGISTRATION CLOSES	PROGRA START DATE
Lehi, Spanish Fork, Heber	March 11, 2026	May 22, 2026	August 1 2026
Lehi, Spanish Fork, Heber	May 29, 2026	August 14, 2026	October 19, 2026
Lehi, Payson	August 19, 2026	October 16, 2026	January 2027
Lehi, Payson, Heber	October 22, 2026	January 4, 2027	March 8, 2027
Lehi, Payson, Heber	January 7, 2027	March 5, 2027	June 1, 2027

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Submit the pre-registration form.
- After acceptance into the program, students must meet with an Admissions Advisor to review the pre-acknowledgement form. High school students should bring a parent or guardian.

Schedule

Lehi
Lehi Building A

Lehi Room Number
104, 105, 106, 307, 313

Lehi Schedule Notes

DAY SCHEDULE (40 hr):
9:00am-4:30pm (Mon-Fri)
Your schedule will change as you move through the program, you will attend 8:00am- 4:30.
Hybrid: Online theory work will be required. You need to be committed to be able to do at least 6-8 hours of work from home each week.

EVENING SCHEDULE (26 hr) Full Program:
4:30pm-9:10pm (Mon-Thu) & 7:00am-3:00pm (Sat) Hybrid: Online theory work will be required. You need to be committed to be able to do at least 6-8 hours of work from home each week.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026	Day - See Schedule Notes	Monday - Friday
Fall 2026	08/17/2026	Night - See Schedule Notes	Monday - Thursday, Saturday
Fall 2026	10/19/2026	Day - See Schedule Notes	Monday - Friday
Fall 2026	10/19/2026	Night - See Schedule Notes	Monday - Thursday, Saturday
Spring 2027	01/05/2027	Day - See Schedule Notes	Monday - Friday
Spring 2027	01/05/2027	Night - See Schedule Notes	Monday - Thursday, Saturday
Spring 2027	03/08/2027	Day - See Schedule Notes	Monday - Friday
Spring 2027	03/08/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Heber	Heber Room Number	Heber Maximum Enrollment
Heber Valley Campus	TBD	TBD

Heber Schedule Notes

DAY SCHEDULE (40 hr):
9:00am-4:30pm (Mon-Fri)
Your schedule will change as you move through the program, you will attend 8:00am- 4:30.
Hybrid: Online theory work will be required. You need to be committed to be able to do at least 6-8 hours of work from home each week.

EVENING SCHEDULE (26 hr) Full Program:
4:30pm-9:10pm (Mon-Thu) & 7:00am-3:00pm (Sat) Hybrid: Online theory work will be required. You need to be committed to be able to do at least 6-8 hours of work from home each week.

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026	8:00 am - 4:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/19/2026	8:00 am - 4:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/08/2027	8:00 am - 4:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	8:00 am - 4:30 pm	Monday - Friday

Payson	Payson Room Number	Payson Maximum Enrollment
Payson	B - TBD	TBD

Payson Schedule Notes

DAY SCHEDULE (40 hr):
9:00am-4:30pm (Mon-Fri)
Your schedule will change as you move through the program, you will attend 8:00am- 4:30.
Hybrid: Online theory work will be required. You need to be committed to be able to do at least 6-8 hours of work from home each week.

EVENING SCHEDULE (26 hr) Full Program:
4:30pm-9:10pm (Mon-Thu) & 7:00am-3:00pm (Sat) Hybrid: Online theory work will be required. You need to be committed to be able to do at least 6-8 hours of work from home each week.

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/08/2027	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/08/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	Day - See Schedule Notes	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Cost

Total Program Tuition
3250

Total Program Fees
2792

Total Cost of Program
6042

Total Cost of Program
5912

Required Materials

MATERIALS	NOTES	COST
Hair Design Kit		Included in Course Fees
Textbooks		Included in Course Fees
State Board Kit Rental	Required for State of Utah Practical Exam.	$50
Computing Device with Audio/ Video Capabilities and online connectivity		$0

Optional Materials

OPTIONAL MATERIALS	NOTES		COST
Additional Mannequins	up to 10 additional mannequins may be required. Each mannequin is approximately $45		$450

Industry Exams

EXAM		COST
State of Utah Written Exam		$112- Included in Course Fees
State of Utah Practical Exam		$105- Included in Course Fees
State of Utah Licensure Fee		$60 - Included in Course Fees

TEDA - Data Technology

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
Data Technology

Total Program Hours
600

Total Program Credits
20

Total Length of Time to Complete the Program
11 Months

CIP Code
11.0301

Program Code
TEDA

Program Description

The Data Technology program prepares students for roles in technology, finance, healthcare, ecommerce, manufacturing and more. The competency-based curriculum provides training through real- world simulations, personalized mentoring, and practical coursework. Students develop skills in initiating data projects, sourcing information, transforming datasets, analyzing data, and presenting results which form an essential toolkit for the field of data analytics.

Upon program completion, students will be able to:

• Explain data types, data structures, and data sources.

• Diagram the complete data analytics project cycle.

• Identify and articulate data-driven problems and questions.

• Utilize various tools including spreadsheets, SQL, Python, and R for data gathering, data cleaning, and analysis.

• Calculate descriptive statistics, perform exploratory data analysis, and inferential statistics for insights.

• Communicate insights derived from data analysis efficiently and persuasively through visualizations, presentations, and reports.

• Construct SQL queries, querying, filtering, and manipulating data within relational databases.

• Apply machine learning principles for preprocessing, model construction, and evaluation.

• Incorporate industry-standard tools and practices for impactful visualizations and extracting meaningful insights.

• Initiate comprehensive projects applying acquired skills to solve real-world problems, while effectively managing time and objectives.

Certificates and Licensure

- MTECH Program Certificate in Data Technology

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEDA1000 - Introduction to Data Analytics	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	50	175

Course Name	Course Hours	Course Credits
TEDA1011 - Spreadsheet Fundamentals	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDA1031 - Python Fundamentals	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEDA1022 - SQL Fundamentals	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDA1051 - Data Visualization Fundamentals	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDA1052 - Data Visualization Fundamentals II	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Course Name	Course Hours	Course Credits
TEDA1071 - R Fundamentals	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDA1038 - Python II	30	1

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDA1036 - Introduction to Machine Learning	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDA2051 - Data Analytics Capstone Project	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDA1090 - Introduction to Database Design	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDA1840 - Introduction to Semiconductor Manufacturing	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Course Name	Course Hours	Course Credits
TEDA1590 - Introduction to Statistical Process Control	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Course Name	Course Hours	Course Credits
TEDA2052 - Data Analytics Capstone Project Elective	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDA2052 - Data Analytics Capstone Project Elective	60	2

Course Tuition	Total Cost of the Course
250	250

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEDA1000 Introduction to Data Analytics
- TEDA1011 Spreadsheet Fundamentals
- TEDA1031 Python Fundamentals
- TEDA1022 SQL Fundamentals
- TEDA1051 Data Visualization Fundamentals
- TEDA1052 Data Visualization Fundamentals II
- TEDA1071 R Fundamentals
- TEDA1038 Python II
- TEDA1036 Introduction to Machine Learning
- TEDA2051 Data Analytics Capstone Project

Earn at least 2 credits from the following:

- TEDA1090 Introduction to Database Design
- TEDA1840 Introduction to Semiconductor Manufacturing
- TEDA1590 Introduction to Statistical Process Control
- TEDA2052 Data Analytics Capstone Project Elective

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi	April 29, 2026	August 16, 2026	August 17, 2026

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building B	201	20

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/07/2027	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/07/2027	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/07/2027	6:00 pm - 9:00 pm	Monday - Thursday; Friday Hybrid

Cost

Total Program Tuition	Total Program Fees
2500	50

Total Cost of Program
2550

Total Cost of Program
2450

Required Materials

REQUIRED MATERIALS	NOTES	COST
Internet connectivity for remote learning	This program is a hybrid program and requires remote learning outside of in-person hours. Access to a computer and the internet is required.	

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
Additional Monitor/ Connection Cables for remote learning	This program is a hybrid program and requires remote learning outside of in-person hours. Access to a computer and the internet is required. Access to a second monitor is recommended.	
AI Subscription		$20.00/ month

TEDE - Dental Assisting

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Dental Assisting

Total Program Hours
795

Total Program Credits
24

Total Length of Time to Complete the Program
12 months

CIP Code
51.0601

Program Code
TEDE

Program Description
The Dental Assisting Program is designed to prepare for employment of the professional Chairside Assistant. Students focus on the basics of dental assisting, nutrition, dental prevention, dental disease, infection control, instruments and tray setups for dental procedures, dental materials, anatomy, radiology, dental specialties, law and ethics, CPR, and a clinical experience.

Upon program completion, students will be able to:
• Correlate the knowledge of anatomy, physiology, psychology, microbiology to the roles and responsibilities of a dental assistant.

• Identify commonly used equipment, supplies, instrumentation, and medications used in the dental chairside setting.

• Apply the principles of asepsis to the dental office and its environment.

• Perform competently and safely the skills of a dental assistant.

• Use legal, moral, and ethical principles to evaluate the care of a dental patient.

• Demonstrate the professional attributes of a dental assistant.

• Pass the final exam and certifications for the dental field.

Certificates and Licensure
- MTECH Program Certificate in Dental Assisting
- Healthcare Provider Basic Life Support Certification
- First Aid Certification
- Radiology Certification
- OSHA Certification
- Nomad- Handheld X-Ray Certification
- Utah State Endorsed Clinical Dental Assistant

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEDE1011 - Introduction to Dental Assisting	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	320	695

Course Name	Course Hours	Course Credits
TEDE1021 - Infection Control	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	47	297

Course Name	Course Hours	Course Credits
TEDE1100 - Dental Anatomy	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDE1110 - Dental Radiology	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	10	385

Course Name	Course Hours	Course Credits
TEDE1201 - Dental Instruments and Equipment	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	43	418

Course Name	Course Hours	Course Credits
TEDE1015 - Intraoral Procedures and Patient Care	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	43	293

Course Name	Course Hours	Course Credits
TEDE1221 - Orthodontics, Pediatrics, Prosthodontics	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	47	422

Course Name	Course Hours	Course Credits
TEDE1300 - Dental Office Administration	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	37	162

Course Name	Course Hours	Course Credits
TEDE1900 - Dental Assisting Externship	90	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDE1901 - Dental Assisting Externship II	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Simple Requirements

Subplan

To earn a certificate, students must complete all of the following courses:

Type
Completion Requirement

Dental Assisting Program Completion

Complete ALL of the following Courses:

- TEDE1011 Introduction to Dental Assisting
- TEDE1015 Intraoral Procedures and Patient Care
- TEDE1021 Infection Control
- TEDE1100 Dental Anatomy
- TEDE1110 Dental Radiology
- TEDE1201 Dental Instruments and Equipment
- TEDE1221 Orthodontics, Pediatrics, Prosthodontics
- TEDE1300 Dental Office Administration

- TEDE1900 Dental Assisting Externship
- TEDE1901 Dental Assisting Externship II

TEDE1011 Introduction to Dental Assisting

Registration Info

Enrollment Available To:
HS Juniors; must be at least 16 years old, HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi Building A	April 15, 2026	August 14, 2026	August 17, 2026
Payson Campus	April 15, 2026	August 14, 2026	August 17, 2026
Heber Campus	April 15, 2026	August 14, 2026	August 17, 2026
Provo	April 15, 2026	January 4, 2027	January 5, 2027

Prerequisites

Program Specific Prerequisites
- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Proof of TB test completed within the past year must be submitted prior to registration.
- Hep B immunization

Schedule

Lehi
Lehi Building A

Lehi Room Number
212

Lehi Maximum Enrollment
25

Lehi Schedule Notes
Students will complete a hybrid assignment in place of attending class on Fridays. Students will complete a 225 hour externship upon completion of the class.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	7:30am-10:30am	Monday-Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	11:30am-2:30pm	Monday-Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	6:00pm-9:00pm	Monday-Friday

Heber
Heber Valley Campus

Heber Room Number
201B, 201

Heber Maximum Enrollment
24

Heber Schedule Notes
Students will complete a hybrid assignment in place of attending class on Fridays. Students will complete a 225 hour externship upon completion of the class.

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	7:30am-10:30am	Monday-Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	11:45am-2:45pm	Monday-Friday

Payson
Payson

Payson Room Number
220

Payson Maximum Enrollment
24

Payson Schedule Notes
Students will complete a hybrid assignment in place of attending class on Fridays. Students will complete a 225 hour externship upon completion of the class.

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	7:30am-10:30am	Monday-Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-5/21/2027	11:45am-2:45pm	Monday-Friday

Provo
Provo

Provo Room Number
109

Provo Maximum Enrollment
24

Provo Schedule Notes
Students will complete a hybrid assignment in place of attending class on Fridays. Students will complete a 225 hour externship upon completion of the class.

Provo Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027-10/29/2027	7:30am-10:30am	Monday-Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027-10/29/2027	11:30am-2:30pm	Monday-Friday

Cost

Total Program Tuition
3000

Total Program Fees
547

Total Cost of Program
3697

Total Cost of Program
3697

Required Materials

REQUIRED MATERIALS	NOTES	COST
Modern Dental Assisting Textbook 14th Edition	9780323824408	included in fees
Dental Terminology Textbook	9780357456828	included in fees
Infection Control Gown; 3-pack		included in fees
TB Test	1 - Cost may vary depending on health insurance	varies
Hepatitis B (series of 3)	1 - Cost may vary depending on health insurance	varies
Scrubs	2 - Ordered through Safeguard according to your program	$150.00

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
Colored Pencils	8 color minimum	$3.00
Dental Instrument Pocket Guide	9780323672436	$47.00

TEDG - Digital Design

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
Digital Design

Total Program Hours
900

Total Program Credits
30

Total Length of Time to Complete the Program
15 months

CIP Code
11.0801

Program Code
TEDG

Program Description

The Digital Design Program provides a strong foundation in the diverse fields of a graphic designer. Students learn theory and experience hands-on application in the production of electronically generated media for print, television, film, websites, and mobile computing. In the coursework, students design creative collateral for companies and/or clients. Course topics include graphic design, design principles, photography, image manipulation, illustration, desktop publishing, and motion design with skills in video production, animation, motion graphics, interactive design, small business marketing, and a final portfolio. Students will gain the skills necessary for entry-level employment in creative careers and learn industry practices, graphic design, illustration, photography, motion graphics & animation, and front-end web designs. Students work with the Adobe Creative Cloud software to develop literacy and production skills.

Upon program completion, students will be able to:

• Develop skills that will prepare students to work in creative skills.

• Use professional graphic design software.

• Explain the creative process with employers and clients.

• Discuss projects with a creative team to work seamlessly together to produce professional work.

• Demonstrate skills by creating and showing a professional portfolio of work.

• Develop the soft skills that are essential for interviewing, working with clients, and running a

business.

Certificates and Licensure

- MTECH Program Certificate in Digital Design

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
Untitled Course	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	60	435

Course Name	Course Hours	Course Credits
TEDG1111 - Intermediate Graphic Design	120	4
Course Tuition	**Course Fees**	**Total Cost of the Course**
500	0	500

Course Name	Course Hours	Course Credits
TEDG1210 - Advanced Graphic Design	120	4
Course Tuition	**Course Fees**	**Total Cost of the Course**
500	0	500

Course Name	Course Hours	Course Credits
TEDG1220 - Motion Design	120	4
Course Tuition	**Course Fees**	**Total Cost of the Course**
500	0	500

Course Name	Course Hours	Course Credits
TEDG1230 - Interactive Design	120	4
Course Tuition	**Course Fees**	**Total Cost of the Course**
500	0	500

Course Name	Course Hours	Course Credits
TEDG1430 - UX Design	120	4
Course Tuition	**Course Fees**	**Total Cost of the Course**
500	0	500

Course Name	Course Hours	Course Credits
TEDG1420 - Web Essentials	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	0	375

Course Name
TEDG1500 - Professional Development

Course Hours
120

Course Credits
4

Course Tuition
500

Course Fees
0

Total Cost of the Course
500

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEDG1111 Intermediate Graphic Design
- TEDG1210 Advanced Graphic Design
- TEDG1220 Motion Design
- TEDG1230 Interactive Design
- TEDG1430 UX Design
- TEDG1420 Web Essentials
- TEDG1500 Professional Development

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi	December 8, 2025	January 4, 2026	January 5, 2026

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Students enrolling in this program must meet with an Admissions Advisor prior to registration. High school students should bring a parent or guardian.
- High school students should coordinate with their high school counselor before registering.

Schedule

Lehi
Lehi Building B

Lehi Room Number
215

Lehi Maximum Enrollment
24

Lehi Schedule Notes
Weekly hybrid work will be required in addition to attending Monday - Friday for daytime courses and Monday - Thursday for evening courses.

Lehi Schedule

Term Fall 2025 | **Start Date - End Date** 08/13/2025 | **Start Time - End Time** 7:30 am - 10:30 am | **Days** Monday- Friday

Term Fall 2025 | **Start Date - End Date** 08/13/2025 | **Start Time - End Time** 11:30 am - 2:30 pm | **Days** Monday- Friday

Term Fall 2025 | **Start Date - End Date** 08/13/2025 | **Start Time - End Time** 6:00 pm - 9:00 pm | **Days** Monday - Thursday

Term Fall 2025 | **Start Date - End Date** 10/06/2025 | **Start Time - End Time** 7:30 am - 10:30 am | **Days** Monday - Friday

Term Fall 2025 | **Start Date - End Date** 10/06/2025 | **Start Time - End Time** 11:30 am - 2:30 pm | **Days** Monday - Friday

Term Fall 2025 | **Start Date - End Date** 10/06/2025 | **Start Time - End Time** 6:00 pm - 9:00 pm | **Days** Monday - Thursday

Term Spring 2026 | **Start Date - End Date** 01/05/2026 | **Start Time - End Time** 7:30 am - 10:30 am | **Days** Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2026	01/05/2026	11:30 am - 2:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2026	01/05/2026	6:00 pm - 9:00 pm	Monday - Thursday

Cost

Total Program Tuition
3750

Total Program Fees
60

Total Cost of Program
3870

Total Cost of Program
3660

Required Materials

MATERIALS	NOTES	COST
Online (internet) connectivity for at home learning	This program is a hybrid program and requires online learning as well as virtual attendance each Friday. Access to a internet connectivity is required.	$0
32gb Flashdrive		Included in Course Fees
Website Hosting and Domain Fees	Personal Wordpress website hosting and domain fee for one (1) year	$60

TEDM - Digital Marketing and Analytics

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
Digital Marketing and Analytics

Total Program Hours
600

Total Program Credits
20

Total Length of Time to Complete the Program
9 months

CIP Code
11.0801

Program Code
TEDM

Program Description

In the Digital Marketing and Analytics program, students will learn the fundamental principles of marketing, strategy, and best practices. Students will learn the day-to-day tasks of the modern digital marketer from lectures, guest speakers, presentations, and hands-on application. Through instruction and hands-on practice, students will learn and test their skills in Search Engine Optimization, Search Engine Marketing, Digital Advertising, Social Media Marketing, Content Marketing, and Email Marketing.

Upon program completion, students will be able to:

• Demonstrate a working knowledge of the fundamentals of digital marketing and marketing analytics.

• Define key digital marketing and analytics terms and definitions.

• Assess marketing data using industry tools and best practices.

• Create strategic digital marketing plans following industry suggested best practices.

• Implement a digital marketing strategy in a business.

• Complete industry certifications to show competencies in each digital marketing vertical.

Certificates and Licensure

- MTECH Program Certificate in Digital Marketing and Analytics
- Google Adwords Certification
- Google Analytics GA4 Certification
- HubSpot Email Marketing Certification
- HubSpot Content Marketing Certification
- HubSpot Social Media Marketing Certification
- HubSpot Marketing Software Certification
- HubSpot Search Engine Optimization Certification

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEDM1010 - Introduction to Marketing	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	401	641

Course Name	Course Hours	Course Credits
TEDM1020 - Marketing Design	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDM1030 - Content Marketing and Marketing Analytics	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	0	500

Course Name	Course Hours	Course Credits
TEDM1040 - Email Marketing	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDM1050 - Search Engine Optimization	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEDM1060 - Digital Advertising	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEDM1070 - Social Media Marketing	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEDM1080 - Advanced Digital Marketing	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEDM1010 Introduction to Marketing
- TEDM1020 Marketing Design
- TEDM1030 Content Marketing and Marketing Analytics
- TEDM1040 Email Marketing
- TEDM1050 Search Engine Optimization
- TEDM1070 Social Media Marketing
- TEDM1060 Digital Advertising
- TEDM1080 Advanced Digital Marketing

Registration Info

Enrollment Available To:

HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi, Payson	April 29, 2026	August 16, 2026	August 17, 2026
Lehi	August 2026	January 4, 2027	January 5, 2027
Payson		September 20, 2026	September 21, 2026

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Basic computer and digital literacy skills are required.
- High school students should coordinate with their high school counselor prior to registration.

Schedule

Lehi
Lehi Building B

Lehi Room Number
206

Lehi Maximum Enrollment
24 per section

Lehi Schedule Notes

For Fall 2026: Morning enrollment is 24 (1 instructor; 1 section); Afternoon enrollment is 24 (1 instructor; 1 section); Evening enrollment is 24 (1 instructor, 1 section)

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 05/21/2027	7:30 am - 10:30 am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 05/21/2027	11:30 am - 2:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/30/2027	6:00 pm - 9:00 pm	Monday - Thursday

Lehi 2
Lehi Building A

Lehi 2 Room Number
216

Lehi 2 Maximum Enrollment
16

Lehi 2 Schedule Notes

For Spring 2027: Morning enrollment is 16 (1 instructor; 1 section)

Lehi 2 Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027 - 10/13/2027	7:30 am - 10:30 am	Monday - Friday

Payson
Payson

Payson Room Number
109

Payson Maximum Enrollment
24

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	9/21/26	7:30 am - 10:30 am	Monday - Friday

Cost

Total Program Tuition
2500

Total Program Fees
401

Total Cost of Program
2961

Total Cost of Program
2801

Required Materials

REQUIRED MATERIALS	NOTES	COST
Website Hosting and Domain Fees	Personal Wordpress website hosting and domain fee for one (1) year	$60
Access to a personal computer device and internet connectivity	This program is a hybrid program and requires online learning. Access to a personal computing device with the ability to run the Adobe Suite and internet connectivity is required for online learning.	$0

Optional Materials

OPTIONAL MATERIALS	NOTES	COSTS
AI Subscription		$20.00/month

TEDT - Diesel Technology

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Diesel Technology

Total Program Hours
1050

Total Program Credits
35

Total Length of Time to Complete the Program
18 months

CIP Code
47.0605

Program Code
TEDT

Program Description

The Diesel Technology program prepares students with the diversified employment skills and knowledge as diesels technicians, including hands-on instruction in diesel engines; electrical/electronic systems; steering and suspension; brakes; drivetrain; heating, ventilation, and air conditioning; hydraulics; preventative maintenance; safety; professionalism; and workplace relations.

The Diesel Technology program equips students with the knowledge and skills needed to achieve Master Truck Service Technicians (MTST) ASE certifications, a highly recognized standard in the trucking industry.

Upon program completion, students will be able to:

• Demonstrate safe working habits and practices.

• Demonstrate knowledge related to the service, maintenance, operation, and function of the core systems related to diesel powered equipment.

• Build and maintain good working relationships.

Certificates and Licensure

- MTECH Program Certificate in Diesel Technology
- 609 Certification (EPA 609 MVAC)
- Students are prepared to take ASE certification tests as they complete each course in the program.

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEDT1010 - Introduction to Diesel Technology	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	557	807

Course Name	Course Hours	Course Credits
TEDT1500 - Preventative Maintenance I	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	120	245

Course Name	Course Hours	Course Credits
TEDT1100 - Electrical I	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	50	550

Course Name	Course Hours	Course Credits
TEDT1110 - Electrical II	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	140	640

Course Name	Course Hours	Course Credits
TEDT1300 - Brakes	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	180	680

Course Name	Course Hours	Course Credits
TEDT1700 - Hydraulics	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	25	275

Course Name	Course Hours
TEDT1750 - Hydraulics II	30/1

Course Fees
25

Course Name	Course Hours	Course Credits
TEDT1810 - Heating, Ventilation, and Air Conditioning (HVAC)	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	204	454

Course Name	Course Hours	Course Credits
TEDT1200 - Steering and Suspension	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	190	690

Course Name	Course Hours	Course Credits
TEDT1400 - Drivetrain	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	130	630

Course Name	Course Hours	Course Credits
TEDT1600 - Engines I	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	40	540

Course Name	Course Hours	Course Credits
TEDT1610 - Engines II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	110	485

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEDT1010 Introduction to Diesel Technology
- TEDT1500 Preventative Maintenance I
- TEDT1100 Electrical I
- TEDT1110 Electrical II
- TEDT1300 Brakes
- TEDT1700 Hydraulics
- TEDT1750 Hydraulics II
- TEDT1810 Heating, Ventilation, and Air Conditioning

(HVAC)
- TEDT1200 Steering and Suspension
- TEDT1400 Drivetrain
- TEDT1600 Engines I
- TEDT1610 Engines II

Registration Info

Enrollment Available To:
HS Juniors; must be at least 16 years old, HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE	CL TIM
Lehi	April 29, 2026	August 16, 2026	August 17, 2026	7:3 AM
Lehi	April 29, 2026	August 16, 2026	August 17, 2026	11: AM
Payson	April 29, 2026	August 16, 2026	August 17, 2026	7:3 AM
Payson	April 29, 2026	August 16, 2026	August 17, 2026	11: AM
Heber	April 29, 2026	August 16, 2026	August 17, 2026	7:3 AM
Heber	April 29, 2026	August 16, 2026	August 17, 2026	11: AM

Prerequisites

Program Specific Prerequisites
- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- A copy of a valid driver's license must be emailed to diesel@mtec.edu

Schedule

Lehi
Lehi Building B

Lehi Room Number
106, 108

Lehi Maximum Enrollment
20

Lehi Schedule Notes
Classes are held Monday through Friday. The 1st and 3rd Fridays of each month are delivered in a hybrid format, while the 2nd, 4th, and 5th Fridays are held in person.
The hybrid schedule begins after the first two courses. Intro to Diesel and PM I are held in person, Monday through Friday.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 4/4/2028	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 4/4/2028	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Heber
Heber Valley Campus

Heber Room Number
133

Heber Maximum Enrollment
15

Heber Schedule Notes
Classes are held Monday through Friday. The 1st and 3rd Fridays of each month are delivered in a hybrid format, while the 2nd, 4th, and 5th Fridays are held in person.
The hybrid schedule begins after the first two courses. Intro to Diesel and PM I are held in person, Monday through Friday.

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 4/4/2028	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 4/4/2028	11:45 am - 2:45 am	Monday - Thursday; Friday Hybrid

Payson
Payson

Payson Room Number
124, 125

Payson Maximum Enrollment
20

Payson Schedule Notes
Classes are held Monday through Friday. The 1st and 3rd Fridays of each month are delivered in a hybrid format, while the 2nd, 4th, and 5th Fridays are held in person.
The hybrid schedule begins after the first two courses. Intro to Diesel and PM I are held in person, Monday through Friday.

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 4/4/2028	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 4/4/2028	11:45 am - 2:45 am	Monday - Thursday; Friday Hybrid

Cost

Total Program Tuition
4375

Total Program Fees
1771

Total Cost of Program
6150

Total Cost of Program
6011

Required Materials

REQUIRED MATERIALS	NOTES	COST
Systems 2E & Engines 2E CDX Online Bundle 2 year access	978-128-427-5018	included in fees
Fundamentals of Medium/Heavy Duty Commercial Vehicle Systems Student Workbook	9781284204216	included in fees
Coveralls	one pair	included in fees
Safety Glasses	available in the MTECH Store	$4.00
Tool Kit	Students need to purchase tools from an outside vendor. Costs are approximate and may vary, Tool list will be given on the first day of class.	cost varies
Laptop		Included in fees

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
Coveralls	Additional pairs are available in the MTECH online Store	$48.00

Industry Exams

INDUSTRY EXAMS	ADDITIONAL INFORMATION	COST
T8 Preventative Maintenance	Paid for at the time of registration for the Preventative Maintenance II Course	included in fees
T6 Electrical/ Electronic Systems	Paid for at the time of registration for the Electrical II Course	included in fees
T5 Suspension and Steering	Paid for at the time of registration for the Suspension and Steering Course	included in fees
T4 Brakes	Paid for at the time of registration for the Brakes Course	included in fees
T7 Heating, Ventilation, and A/C	Paid for at the time of registration for the HVAC Course	included in fees
EPA 609 MVAC (refrigeration)	Paid for at the time of registration for the HVAC Course	included in fees
T3 Drive Train	Paid for at the time of registration for the Drive Train Course	included in fees
T2 Diesel Engines	Paid for at the time of registration for the Engines II Course	included in fees

TEEL - Electrical Apprenticeship

Program Info

Effective Start Term
2026-2027

College/School
School of Apprenticeship

Program Title
Electrical Apprenticeship

Total Program Hours
720

Total Program Credits
24

Total Length of Time to Complete the Program
4 years

CIP Code
46.0302

Program Code
TEEL

Program Description

The Electrical Apprenticeship program provides a solid understanding of the National Electrical Code (NEC), its layout, the requirements for different electrical systems, and the components of those systems. This program discusses the risks involved with electricity and electrical systems as well as the safety equipment and measures that are in place to protect electricians and the general public alike.

Upon program completion, students will be able to:

• Apply of the National Electrical Code (NEC).

• Navigate the National Electrical Code (NEC).

• Calculate the sizes of different electrical system parts.

• Explain the application of A/C and D/C electrical theory.

• Explain Electrical Safety procedures, processes, and equipment.

• Wire electrical circuits per national codes and safety regulations.

Certificates and Licensure

- MTECH Program Certificate in Electrical Apprenticeship
- Journeyman Electrician Licensure through the Utah Division of Professional Licensing (DOPL)
- (Optional) United States Department of Labor Apprenticeship USA Federal Work Credential
- (Optional) Utah Division of Professional Licensing (DOPL) Residential Electrician Licensure

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEEL1110 - Electrician Apprentice IA	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	223	598

Course Name	Course Hours	Course Credits
TEEL1120 - Electrician Apprentice IB	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	39	414

Course Name	Course Hours	Course Credits
TEEL1210 - Electrician Apprentice IIA	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	154	529

Course Name	Course Hours	Course Credits
TEEL1220 - Electrician Apprentice IIB	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	39	414

Course Name	Course Hours	Course Credits
TEEL1310 - Electrician Apprentice IIIA	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	49	424

Course Name	Course Hours	Course Credits
TEEL1320 - Electrician Apprentice IIIB	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	49	424

Course Name	Course Hours	Course Credits
TEEL1410 - Electrician Apprentice IVA	90	3
Course Tuition	**Course Fees**	**Total Cost of the Course**
375	89	464

Course Name	Course Hours	Course Credits
TEEL1420 - Electrician Apprentice IVB	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	59	434

Simple Requirements

Subplan

Courses Required for Completion:

Type
Completion Requirement

Complete ALL of the following Courses:

- TEEL1110 Electrician Apprentice IA
- TEEL1120 Electrician Apprentice IB
- TEEL1210 Electrician Apprentice IIA
- TEEL1220 Electrician Apprentice IIB
- TEEL1310 Electrician Apprentice IIIA
- TEEL1320 Electrician Apprentice IIIB
- TEEL1410 Electrician Apprentice IVA
- TEEL1420 Electrician Apprentice IVB

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi, Orem, Spanish Fork, Payson, Heber	July 15, 2026	August 20, 2026	August 17, 2026
Lehi, Orem, Spanish Fork, Payson, Heber	November 18, 2026	January 7, 2027	January 5, 2027

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Work at least part-time for an electrical company and be supervised by a master or journeyman electrician.
- Must be registered with the Utah Division of Occupational and Professional Licensing through an employer (this is not applicable to daytime students). Daytime students must be licensed electrical apprentices with DOPL before registering for an evening course.
- To continue throughout the program, students must pass the current level with a minimum grade of 75%.
- **FOR TRANSFER STUDENTS:** Must submit transcripts to the Program Coordinator (thomas.stromberg@mtec.edu). The Program Coordinator must approve the transcript prior to registration.

Schedule

Lehi	Lehi Maximum Enrollment
Lehi Building A	24

Lehi Schedule Notes
See Course Pages.

Daytime maximum enrollment is 10. Evening maximum enrollment is 24.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	6:00pm - 9:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	2:00pm - 5:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	2:00pm - 5:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/20/2027	2:00pm - 5:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	2:00pm - 5:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/20/2027	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	6:00pm - 9:00pm	Monday & Wednesday

Lehi 2
Lehi Building B

Lehi 2 Maximum Enrollment
24

Lehi 2 Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	6:00pm - 9:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	6:00pm - 9:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/20/2027	6:00pm - 9:00pm	Tuesday & Thursday

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	2:00pm - 5:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	2:00pm - 5:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	6:00pm - 9:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/20/2027	2:00pm - 5:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	2:00pm - 5:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/20/2027	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	6:00pm - 9:00pm	Monday & Wednesday

Orem
Orem Building A

Orem Maximum Enrollment
24

Orem Schedule Notes

See Course Pages.

Daytime maximum enrollment is 10. Evening maximum enrollment is 24.

Orem Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	2:00pm - 5:00pm	Monday & Wedesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	2:00pm - 5:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	6:00pm - 9:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	2:00pm - 5:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/20/2027	2:00pm - 5:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/20/2027	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	6:00pm - 9:00pm	Monday & Wednesday

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	6:00pm - 9:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/20/2027	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	6:00pm - 9:00pm	Monday & Wednesday

Cost

Total Program Tuition
3000

Total Program Fees
569

Total Cost of Program
3584.75

Total Cost of Program
$3,644.00

Required Materials

REQUIRED MATERIALS	NOTES	COST
Safety Glasses	Required all 4 years. Available for purchase in the MTECH Store	$5.00
TI-30Xa- Scientific Calculator or TI- 30X-IIS- Scientific Calculator	Required all 4 years. Available for purchase in the MTECH Store	$10.75
Delmar's Standard Textbook of Electricity, 7th Edition	Required for 1A, 1B, 2A, and 2B. Purchased in the 1A course.	Included in course fees.
Mike Holt Electrical Exam Preparation - 2023 Code	Required starting in 4B.	Included in course fees.
Ugly's Electrical References, 2023	Required all 4 years. Purchased in the 1A course.	Included in course fees.
Tablet or Laptop	Students are given a tablet in the 1A course.	Included in course fees.
2023 NEC Code Book	Required all 4 years. Purchased in the 1A course.	Included in course fees.
Mike Holt's Understanding the NEC Volume 1 - 2023 Code	Purchased/required in 1A, and in subsequent courses. ISBN: 978-1-950431-77-9	Included in course fees.
Mike Holt's Understanding the NEC Volume 2 - 2023 Code	Purchased/required in 2B, and in subsequent courses. ISBN: 978-1-950431-78-6	Included in course fees.
Electrical Motor Controls for Integrated Systems, 5th Edition	Purchased in the 3B course. ISBN: 978-0-8269-1226-8	Included in course fees.

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
EZ Tabs for NEC 2023 Code Book	ISBN: 979-8-9864221-0-7	$25.00
NFPA 70 E: Standard for Electrical Safety	ISBN: 978-1-455-91671-9	$65.00

TEEM 1202 - Advanced Emergency Medical Technician

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Advanced Emergency Medical Technician

Total Program Hours
180

Total Program Credits
6

Total Length of Time to Complete the Program
3-4 months

CIP Code
51.0904

Program Code
TEEM 1202

Program Description

Advanced Emergency Medical Technicians provide basic and limited advanced emergency medical care and transportation of critical and emergent patients who access the emergency medical system (EMS). Advanced Emergency Medical Technicians (AEMTs) possess the fundamental knowledge and skills necessary to provide patient care and transportation. Advanced Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight. Advanced Emergency Medical Technicians perform interventions with the basic and advanced equipment typically found on an ambulance. Advanced Emergency Medical Technicians function as a link between the scene and the emergency health care system.

Upon program completion, students will be able to:

• Demonstrate comprehensive knowledge of EMS and perform in accordance with operational roles, prioritizing safety and addressing legal and ethical considerations when providing emergency care.

• Integrate and apply comprehensive knowledge of airway, respiratory, and circulatory anatomy and physiology into EMS practice to assess and manage patients, ensuring optimal airway, mechanical ventilation, and respiration across all age groups.

• Utilize scene information and interpret patient assessment findings to guide and provide emergency care and transportation for patients with acute injuries, illnesses, shock, respiratory or cardiac failure/arrest, and post-resuscitation management.

• Utilize medical terminology for effective communication with healthcare professionals.

• Apply foundational EMS principles and knowledge of lifespan development to assess, manage, and provide emergency care and transportation during health emergencies and for patients with special needs.

• Demonstrate expertise in administering AEMT-carried medications in emergency scenarios.

Certificates and Licensure

- MTECH Program Certificate in Advanced Emergency Medical Technician
- Students are prepared to sit for the Advanced Emergency Medical Certificate exam through the National Registry of Emergency Medical Technicians (NREMT)
- Students can obtain a Utah Advanced EMT license by passing the NREMT exam and approved application process

Required Courses

Course Name, Tuition, and Fees

Course Name
TEEM1202 - Advanced Emergency Medical Technician

Course Hours
180

Course Credits
6

Course Tuition
750

Course Fees
595

Total Cost of the Course
1345

Simple Requirements

Subplan

Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEEM1202 Advanced Emergency Medical Technician

Registration Info

Enrollment Available To:

Adults, HS Seniors; must be at least 18

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Provo			August 25, 2025
Provo	Open Now		January 20, 2026
Provo	April 15, 2026		August 2026
Provo	April 15, 2026		February 2027

Prerequisites

Prerequisites

Satisfy Entrance Requirements with Testing Center

Program Specific Prerequisites

- Must have current EMT license with the State of Utah. The Utah State EMT license cannot expire during the duration of the program. Proof must be emailed to ems@mtec.edu before a student can register.
- Must have current Basic Life Support (BLS) certification from a state approved organization. The BLS certification cannot expire during the duration of the program. Proof must be emailed to ems@mtec.edu before a student can register. CPR is not sufficient. If you do not have a current BLS certification, we recommend taking the Basic Life Support course.

Schedule

Provo
Provo

Provo Room Number
214

Provo Maximum Enrollment
24

Provo Schedule Notes

Advanced EMT will follow an “A shift” schedule. Students will receive a calendar prior to the first day of class.

Provo Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2025	8/25/2025 - 12/4/2025	5:30pm - 9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2026	02/02/026 - 5/20/2026	5:30pm - 9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/24/2026-12/16/2026	5:30pm-9:00pm	Monday-Friday

Cost

Total Program Tuition
750

Total Program Fees
595

Total Cost of Program
1345

Total Cost of Program
1567

Required Materials

REQUIRED MATERIALS	NOTES	COST
Advanced Emergency Care and Transportation of the Sick and Injured	4th Edition - Premier Access ISBN: 9781284228120	included in course fees
Blood Pressure Kit	Available in the MTECH Store	40
AEMT Shirt	Available in the MTECH Store	13
Utility Pants	Price may vary; not available in the MTECH Store; Approved EMS Pants	varies

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
EMT Hooded Sweatshirt	Available in the MTECH Store	20
EMT Hat	Available in the MTECH Store	14

Industry Exams

INDUSTRY EXAMS	COST
NREMT Practical Exam	Included in course fees
NREMT National Written Test Fee (Required for employment; not paid to MTECH)	$159

TEEM1 - Emergency Medical Technician

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Emergency Medical Technician

Total Program Hours
180

Total Program Credits
6

Total Length of Time to Complete the Program
4 months

CIP Code
51.0904

Program Code
TEEM1

Program Description
The Emergency Medical Technician program provides training for out-of-hospital emergency medical care and transportation of critical and emergent patients who access the emergency medical services (EMS) system. Emergency Medical Technicians (EMTs) have basic knowledge and skills necessary to stabilize and safely transport patients ranging from non-emergency and routine medical transports to life threatening emergencies. EMTs function as part of a comprehensive EMS response system, under medical oversight. EMTs perform interventions with the basic equipment typically found on an ambulance. EMTs are a critical link between the scene of an emergency and the health care system.

Upon program completion, students will be able to:
• Apply fundamental knowledge of the anatomy and function of all human systems to the practice of EMS.

• Use foundational anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.

• Apply fundamental knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.

• Apply fundamental knowledge of lifespan development to patient assessment and management.

• Properly administer or assist in administering medications to a patient during an emergency.

• Utilize fundamental knowledge of the EMS system, safety/well-being of the EMT, and medical/legal and ethical issues to the provision of emergency care.

• Apply knowledge (fundamental depth, foundational breadth) of anatomy and physiology to patient assessment and management to assure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.

• Interpret scene information and patient assessment findings (scene size-up, primary and secondary assessment, patient history, reassessment) to guide emergency management.

• Provide basic emergency care and transportation based on assessment findings for an acutely ill patient.

• Apply a fundamental knowledge of the causes, pathophysiology, and management of shock, respiratory failure or arrest, cardiac failure or arrest, and post-resuscitation management.

• Provide basic emergency care and transportation based on assessment findings for an acutely injured patient.

• Utilize principles of growth, development, aging and assessment findings to provide basic emergency care and transportation for a patient with special needs.

• Perform in accordance with operational roles and responsibilities to ensure patient, public, and personnel safety when responding to an emergency.

Certificates and Licensure
- MTECH Program Certificate in Emergency Medical Technician
- National EMT Certificate
- State EMT License

Required Courses

Course Name, Tuition, and Fees

Course Name
TEEM1011 - Emergency Medical Technician

Course Hours
180

Course Credits
6

Course Tuition
750

Course Fees
530

Total Cost of the Course
1280

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:
- TEEM1011 Emergency Medical Technician

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi, Provo	April 15, 2026	August 16, 2026	August 17, 2026
Lehi, Provo	April 15, 2026	January 4, 2027	January 5, 2027

Prerequisites

Program Specific Prerequisites
- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.

- Must have current Basic Life Support (BLS) certification from a state approved organization. Certification must include an in-person skills testing portion. Proof must be emailed to ems@mtec.edu before a student can register. CPR is not sufficient. If you do not have a current BLS certification, we recommend taking the Basic Life Support course.
  Proof of certification must be emailed to ems@mtec.edu. The BLS certification cannot expire during the duration of the program.

  Additional options can be found in this list of approved BLS certificates.

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building A	102	24

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/8/2026	7:30am - 10:30am	Tuesday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/8/2026	11:30am - 2:30pm	Tuesday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	5:30pm - 9:30pm	Tuesday - Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/22/2027	7:30am - 10:30am	Tuesday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/22/2027	11:30am - 2:30pm	Tuesday - Friday

Heber	Heber Room Number	Heber Maximum Enrollment
Heber Valley Campus	113	24

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/29/2027	5:30pm - 9:30pm	Tuesday - Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/8/2026	7:30am - 10:30am	Tuesday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/22/2027	7:30am - 10:30am	Tuesday - Friday

Provo	Provo Room Number	Provo Maximum Enrollment
Provo	214	24

Provo Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/8/2026	7:30am - 10:30am	Tuesday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/8/2026	11:30am - 2:30pm	Tuesday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2026	1/5/2027 - 4/22/2027	7:30am - 10:30am	Tuesday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2026	1/5/2027 - 4/22/2027	11:30am - 2:30pm	Tuesday - Friday

Other Location Schedule Notes

The EMT class offered at Park City High School will follow their school calendar and bell schedule. Enrollment is available to high school students only.

Other Location Schedule

Other Location
Park City High School

Room Number
TBD

Maximum Enrollment
18

Term
Spring 2027

Start Date - End Date
1/11/2027 - 6/4/2027

Start Time - End Time
7:35am-10:41am

Days
PCHS Red Days

Cost

Total Program Tuition
750

Total Program Fees
530

Total Cost of Program
1336

Total Cost of Program
1280

Required Materials

REQUIRED MATERIALS	NOTES		COST
Emergency Care and Transportation of the Sick and Injured	13th Edition - Premier Access ISBN 9781284325249		included in course fees
Blood Pressure Kit	Available in the MTECH Store		$40
EMT Shirt	Available in the MTECH Store		$13
Utility Pants	Price may vary; Not available in the MTECH Store; Approved EMS Pants		varies
Pen Light	Available in the MTECH Store		$3
Laptop	Price may vary; Not available in the MTECH Store		varies

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
EMT Hooded Sweatshirt	Available in the MTECH Store	$20
EMT Hat	Available in the MTECH Store	$14

Industry Exams

NAME OF EXAM	ADDITIONAL INFORMATION	COST
NREMT National Written Test Fee	Required to be employed Not payable to MTECH	$104
NREMT Practical Test	Required to be employed	Included in Course Fees

TEIT - Networking and Cybersecurity

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
Networking and Cybersecurity

Total Program Hours
900

Total Program Credits
30

Total Length of Time to Complete the Program
12 months

CIP Code
11.0901

Program Code
TEIT

Program Description

This program provides education and training in preparation for careers in Information Technology and Cybersecurity. Throughout the program, students apply classroom theory to computer hardware and software, mobile devices, operating systems, networking, security, cloud technology, and other technologies relevant to the industry. Students learn to develop, defend, and protect networks and information systems against cyber-attacks while implementing and managing hardware, operating systems, local and wide-area networks, computer forensics, vulnerability assessment, security compliance, and information assurance. Through a combination of simulations, hands-on labs and/or virtual labs, students apply techniques for technology deployment, support, maintenance, and troubleshooting. This training prepares students to gain valuable industry recognized certifications including CompTIA A+, Network+, and Security+. Additional certification opportunities may include Cisco Certified Network Associate (CCNA), Microsoft, Amazon Web Services (AWS), Linux, and more.

Upon program completion, students will be able to:

• Develop and demonstrate skills required for positions in Information Technology & Cybersecurity.

• Demonstrate knowledge, skills, and abilities aligning with standards for industry certifications.

• Install, configure, maintain, and troubleshoot common hardware and software.

• Install, configure, maintain, and troubleshoot operating systems.

• Design, implement, and manage scalable networks.

• Identify advanced security threats and implement best practices to mitigate risks.

• Demonstrate effective verbal and written communication using industry specific terminology.

Certificates and Licensure

- MTECH Program Certificate in Networking and Cybersecurity
- Students are also prepared to become certified in:
    - CompTIA A+ Core 1
    - CompTIA A+ Core 2
    - CompTIA Network +
    - CompTIA Security +

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEIT1620 - Introduction to Microsoft 365	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	275	525

Course Name	Course Hours	Course Credits
TEIT1945 - Intermediate Service Desk	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEIT1030 - Artificial Intelligence Essentials	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Course Name	Course Hours	Course Credits
TEIT1200 - A+ Core I	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	122	497

Course Name	Course Hours	Course Credits
TEIT1800 - Certification Test Prep I	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	35	160

Course Name	Course Hours	Course Credits
TEIT1210 - A+ Core II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	122	497

Course Name	Course Hours	Course Credits
TEIT1810 - Certification Test Prep II	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	35	160

Course Name	Course Hours	Course Credits
TEIT1300 - Linux Foundations	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEIT1100 - Introduction to Networking	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Course Name	Course Hours	Course Credits
TEIT1170 - Computer Networks I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEIT2170 - Computer Networks II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	224	599

Course Name	Course Hours	Course Credits
TEIT1400 - Introduction to Cloud	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEIT1630 - Microsoft Windows Server Administration Fundamentals	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEIT2200 - Security+	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	311	811

Course Name	Course Hours	Course Credits
TEIT1050 - Career & Workplace Relations	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEIT1620 Introduction to Microsoft 365
- TEIT1945 Intermediate Service Desk
- TEIT1030 Artificial Intelligence Essentials
- TEIT1200 A+ Core I
- TEIT1800 Certification Test Prep I
- TEIT1210 A+ Core II
- TEIT1810 Certification Test Prep II
- TEIT1300 Linux Foundations
- TEIT1100 Introduction to Networking
- TEIT1170 Computer Networks I
- TEIT2170 Computer Networks II
- TEIT1400 Introduction to Cloud
- TEIT1630 Microsoft Windows Server Administration Fundamentals
- TEIT2200 Security+

- TEIT1050 Career & Workplace Relations

Registration Info

Enrollment Available To:
HS Juniors; must be at least 16 years old

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi, Provo	April 29, 2026	August 16, 2026	August 17, 2026

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Meet with an Admissions Advisor prior to registration. Students should bring a parent or guardian to the appointment.
- Basic computer and digital literacy skills are required.
- High school students should coordinate with their high school counselor prior to registration.

Schedule

Lehi
Lehi Building B

Lehi Room Number
213

Lehi Maximum Enrollment
22

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/30/2027	7:30 am - 10:30 am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/30/2027	11:30 am - 2:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/29/2027	5:30 pm - 9:15 pm	Monday - Thursday

Provo
Provo

Provo Room Number
144

Provo Maximum Enrollment
20

Provo Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/30/2027	7:30 am - 10:30 am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/30/2027	11:30 am - 2:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - 07/29/2027	5:30 pm - 9:15 pm	Monday - Thursday

Cost

Total Program Tuition
3750

Total Program Fees
1124

Total Cost of Program
4874

Total Cost of Program
4015

Required Materials

REQUIRED MATERIALS	NOTES	COST
Online (internet) connectivity for at home learning	This program is a hybrid program and requires online learning as well as virtual attendance. Access to a internet connectivity is required.	$0.00
1-year subscription - Cengage E-Learning Materials	1-year subscription: $190.00; If program enrollment exceeds one year - this fee will be have to be paid for a second year	Included in Course Fee

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
CompTIA: A+ Core 1	Additional Exam Voucher	$122.00
CompTIA: A+ Core 2	Additional Exam Voucher	$122.00
CompTIA: Network+	Additional Exam Voucher	$189.00
CompTIA: Security +	Additional Exam Voucher	$276.00
AI Subscription		$20.00/month

Industry Exams

INDUSTRY EXAMS	ADDITIONAL INFORMATION	COST
CompTIA: A+ Core 1		$122.00 (Included in Course Fees)
CompTIA: A+ Core 2		$122.00 (Included in Course Fees)
CompTIA: Network+		$189.00 (Included in Course Fees)
CompTIA: Security +		$276.00 (Included in Course Fees)

TEMA - Medical Assistant

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Medical Assistant

Total Program Hours
900

Total Program Credits
28

Total Length of Time to Complete the Program
12 months

CIP Code
51.0801

Program Code
TEMA

Program Description

Medical assistants are multi-skilled, allied health care professionals responsible for various clinical and/or administrative duties and are an essential part of a healthcare team. This program is designed to prepare students for entry-level positions that will allow them to learn and move into higher-level job opportunities by working with physicians and providers in office settings. Students in this program learn cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains by focusing on administrative and back office clinical skills. Upon successful completion of all required courses, students participate in an externship in a medical office. Graduates of the program are eligible to take a national certification exam.

Upon program completion, students will be able to:

• Demonstrate competent patient care of a medical assistant in ambulatory healthcare facilities.

• Exhibit basic skills of a medical assistant including obtaining vital signs, phlebotomy, pharmacology, EKG, and assisting providers with specialty examinations.

• Perform accurate medical documentation, patient education instruction, communication, and apply critical thinking skills in both simulated and clinical settings.

• Describe the areas of general, clinical, and administrative medical assisting.

• Demonstrate competencies and skills in preparation for taking a medical assistant national certification examination.

Certificates and Licensure

- MTECH Program Certificate in Medical Assistant
- Students are prepared to sit for the NHA National Medical Assistant Certificate Exam
- Healthcare Provider Basic Life Support Certification
- First Aid Certification

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEMA1010 - Introduction to Medical Assisting	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	150	400

Course Name	Course Hours	Course Credits
TEMA1060 - Clinical Procedures	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	50	300

Course Name	Course Hours	Course Credits
TEMA1020 - Medical Office I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	30	280

Course Name	Course Hours	Course Credits
TEMA1130 - Intermediate Lab I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	50	300

Course Name	Course Hours	Course Credits
TEMA1050 - Pharmacology	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	25	400

Course Name	Course Hours	Course Credits
TEMA1030 - Medical Office II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	30	280

Course Name	Course Hours	Course Credits
TEMA1040 - Anatomy and Physiology	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	25	525

Course Name	Course Hours	Course Credits
TEMA1140 - Advanced Lab II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	50	425

Course Name	Course Hours	Course Credits
TEMA1520 - Specialty Patient Care and Treatment	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	50	300

Course Name	Course Hours	Course Credits
TEMA1530 - Specialty Exams and Office Management	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	50	300

Course Name	Course Hours	Course Credits
TEMA1900 - Medical Assistant Externship I	90	2

Course Tuition	Course Fees	Total Cost of the Course
250	100	350

Course Name	Course Hours	Course Credits
TEMA1910 - Medical Assistant Externship II	90	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEMA1010 Introduction to Medical Assisting
- TEMA1060 Clinical Procedures
- TEMA1020 Medical Office I
- TEMA1130 Intermediate Lab I
- TEMA1050 Pharmacology
- TEMA1030 Medical Office II
- TEMA1040 Anatomy and Physiology
- TEMA1140 Advanced Lab II
- TEMA1520 Specialty Patient Care and Treatment
- TEMA1530 Specialty Exams and Office Management
- TEMA1900 Medical Assistant Externship I
- TEMA1910 Medical Assistant Externship II

Registration Info

Enrollment Available To:

HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE	CL TIM
Lehi	April 15, 2026	August 16, 2026	August 17, 2026	7:3 AM
Lehi	April 15, 2026	August 16, 2026	August 17, 2026	11: AM
Lehi	April 15, 2026	August 16, 2026	August 17, 2026	2:4 PM
Orem	April 15, 2026	August 16, 2026	August 17, 2026	7:3 AM
Orem	April 15, 2026	August 16, 2026	August 17, 2026	11: AM
Payson	April 15, 2026	August 16, 2026	August 17, 2026	7:3 AM
Payson	April 15, 2026	August 16, 2026	August 17, 2026	11: AM
Heber Valley	April 15, 2026	August 16, 2026	August 17, 2026	7:3 AM
Heber Valley	April 15, 2026	August 16, 2026	August 17, 2026	11: AM
FOR ALL OTHER PROGRAM LOCATIONS AND CLASS TIMES, PLEASE REFER TO THE MEDICAL ASSISTANT NON-TERM PROGRAM PAGE				

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- High school students should coordinate with their high school counselors prior to registration.
- Required Immunizations
  - MMR (2 series)
  - Hepatitis B (3 series) or Heplisav (2 Series)
  - Varicella (2 series)
  - TDAP (less than 10 years old)
  - TB test (less than 1 year old)
- Immunization records must be submitted through Verified Credentials at least three business days prior to registration. Click HERE to view the Verified Credentials information.

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building A	209	24

Lehi Schedule Notes

Students will complete a 4.5-hour hybrid assignment each week in place of class on Fridays; Students will complete a 180-hour externship that can be started as soon as they begin course TEMA 1520, Specialty Patient Care and Treatment and will have 12 months to complete it from the time they finish the coursework.

Students enrolling in this program FOR THE 6:00PM SECTION ONLY must meet with an MTECH Academic Counselor prior to registration. High School students should bring a parent. For an appointment please visit mtec.edu/counseling.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	7:30am - 10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	11:30am - 2:30pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - TBD	2:45pm - 5:45pm	Monday - Friday

Heber	Heber Room Number	Heber Maximum Enrollment
Heber Valley Campus	212	24

Heber Schedule Notes

Students will complete a 4.5-hour hybrid assignment each week in place of class on Fridays; Students will complete a 180-hour externship that can be started as soon as they begin course TEMA 1520, Specialty Patient Care and Treatment and will have 12 months to complete it from the time they finish the coursework.

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	7:30am - 10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	11:45am - 2:45pm	Monday - Friday

Orem	Orem Room Number	Orem Maximum Enrollment
Orem Building A	115	24

Orem Schedule Notes

Students will complete a 4.5-hour hybrid assignment each week in place of class on Fridays; Students will complete a 180-hour externship that can be started as soon as they begin course TEMA 1520, Specialty Patient Care and Treatment and will have 12 months to complete it from the time they finish the coursework.

Orem Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	7:30am-10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	11:45am-2:45pm	Monday - Friday

Payson	Payson Room Number	Payson Maximum Enrollment
Payson	212	24

Payson Schedule Notes

Students will complete a 4.5-hour hybrid assignment each week in place of class on Fridays; Students will complete a 180-hour externship that can be started as soon as they begin course TEMA 1520, Specialty Patient Care and Treatment and will have 12 months to complete it from the time they finish the coursework.

Students enrolling in this program FOR THE 2:50PM AND 6:00PM SECTIONS ONLY must meet with an MTECH Career Counselor prior to registration. High School students should bring a parent. For an appointment please visit mtec.edu/counseling.

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	7:30am-10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	11:45am-2:45pm	Monday - Friday

Provo	Provo Room Number	Provo Maximum Enrollment
Provo	205	24

Provo Schedule Notes

This campus runs on a non-term format. Students enrolling in this program AT THE PROVO CAMPUS ONLY must meet with an MTECH Academic Counselor prior to registration. High School students should bring a parent. For an

appointment please visit mtec.edu/counseling.

Students will complete a 4.5-hour hybrid assignment each week in place of class on Fridays; Students will complete a 180-hour externship that can be started as soon as they begin course TEMA 1520, Specialty Patient Care and Treatment and will have 12 months to complete it from the time they finish the coursework.

Cost

Total Program Tuition
3500

Total Program Fees
610

Total Cost of Program
4256

Total Cost of Program
4116

Required Materials

MATERIALS	NOTES	COST
Blesi's Medical Assistant Textbook	9th Edition; ISBN: 9780357502815	Included in course fees
Blood Pressure Kit	available in the MTECH Store	$40.00
Scrubs	Students will order scrubs through the program store of Safeguard; it is recommended to purchase at least two sets	Cost may vary
Background Check and Drug Screen	paid to Verified Credentials; more information available from the Program Coordinator	$106.00

Optional Materials

MATERIALS	NOTES	COST
NA		

Industry Exams

NAME OF EXAM	ADDITIONAL INFORMATION	COST
NHA Medical Assistant Exam	not required for employment in the State of Utah	$165.00

TEMA - Medical Assistant Non-Term

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Medical Assistant Non-Term

Total Program Hours
900

Total Program Credits
28

Total Length of Time to Complete the Program
12 months

CIP Code
51.0801

Program Code
TEMA

Program Description

Medical assistants are multi-skilled, allied health care professionals responsible for various clinical and/or administrative duties and are an essential part of a healthcare team. This program is designed to prepare students for entry-level positions that will allow them to learn and move into higher-level job opportunities by working with physicians and providers in office settings. Students in this program learn cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains by focusing on administrative and back office clinical skills. Upon successful completion of all required courses, students participate in an externship in a medical office. Graduates of the program are eligible to take a national certification exam.

Upon program completion, students will be able to:

• Demonstrate competent patient care of a medical assistant in ambulatory healthcare facilities.

• Exhibit basic skills of a medical assistant including obtaining vital signs, phlebotomy, pharmacology, EKG, and assisting providers with specialty examinations.

• Perform accurate medical documentation, patient education instruction, communication, and apply critical thinking skills in both simulated and clinical settings.

• Describe the areas of general, clinical, and administrative medical assisting.

• Demonstrate competencies and skills in preparation for taking a medical assistant national certification examination.

Certificates and Licensure

- MTECH Program Certificate in Medical Assistant
- Students are prepared to sit for the NHA National Medical Assistant Certificate Exam
- Healthcare Provider Basic Life Support Certification
- First Aid Certification

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEMA1010 - Introduction to Medical Assisting	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	150	400

Course Name	Course Hours	Course Credits
TEMA1060 - Clinical Procedures	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	50	300

Course Name	Course Hours	Course Credits
TEMA1020 - Medical Office I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	30	280

Course Name	Course Hours	Course Credits
TEMA1130 - Intermediate Lab I	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	25	400

Course Name	Course Hours	Course Credits
TEMA1030 - Medical Office II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	30	280

Course Name	Course Hours	Course Credits
TEMA1040 - Anatomy and Physiology	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	25	525

Course Name	Course Hours	Course Credits
TEMA1140 - Advanced Lab II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	50	425

Course Name	Course Hours	Course Credits
TEMA1520 - Specialty Patient Care and Treatment	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	50	300

Course Name	Course Hours	Course Credits
TEMA1530 - Specialty Exams and Office Management	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	50	300

Course Name	Course Hours	Course Credits
TEMA1900 - Medical Assistant Externship I	90	2

Course Tuition	Course Fees	Total Cost of the Course
250	100	350

Course Name	Course Hours	Course Credits
TEMA1910 - Medical Assistant Externship II	90	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEMA1010 Introduction to Medical Assisting
- TEMA1060 Clinical Procedures
- TEMA1020 Medical Office I
- TEMA1130 Intermediate Lab I
- TEMA1050 Pharmacology
- TEMA1030 Medical Office II
- TEMA1040 Anatomy and Physiology
- TEMA1140 Advanced Lab II
- TEMA1520 Specialty Patient Care and Treatment
- TEMA1530 Specialty Exams and Office Management
- TEMA1900 Medical Assistant Externship I
- TEMA1910 Medical Assistant Externship II

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
	July 27, 2026	August 16, 2026	August 17, 2026
	September 28, 2026	October 4, 2026	October 5, 2026
	December 7, 2026	January 4, 2027	January 5, 2027
	February 22, 2027	February 28, 2027	March 1, 2027
	May 17, 2027	May 31, 2027	June 1, 2027
	THIS SCHEDULE IS FOR THE NON-TERM PROGRAM FORMAT ONLY. FOR ALL OTHER PROGRAM LOCATIONS AND CLASS TIMES, PLEASE REFER TO THE MEDICAL ASSISTANT PROGRAM PAGE		

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Must meet with an Admissions Advisor. High school students should bring a parent or guardian to the appointment.
- Required Immunizations
  - MMR (2 series)
  - Hepatitis B (3 series) or Heplisav (2 Series)
  - Varicella (2 series)
  - TDAP (less than 10 years old)
  - TB test (less than 1 year old)
- Immunization records must be submitted through Verified Credentials at least three business days prior to registration. Click HERE to view the Verified Credentials information.
- High school students should coordinate with their high school counselors prior to registration.

Schedule

Lehi
Lehi Building A

Lehi Room Number
209

Lehi Maximum Enrollment
24

Lehi Schedule Notes
Students will complete a 4.5-hour hybrid assignment each week in place of class on Fridays; Students will complete a 180-hour externship that can be started as soon as they begin course TEMA 1520, Specialty Patient Care and Treatment and will have 12 months to complete it from the time they finish the coursework.

Students enrolling in this program FOR THE 6:00PM SECTION ONLY must meet with an MTECH Academic Counselor prior to registration. High School students should bring a parent. For an appointment please visit mtec.edu/counseling.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	6:00pm- 9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/5/2026 - TBD	6:00pm - 9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - TBD	6:00pm - 9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/1/2027 - TBD	6:00pm - 9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	6/1/2027 - TBD	6:00pm - 9:00pm	Monday - Friday

Payson	Payson Room Number	Payson Maximum Enrollment
Payson	212	24

Payson Schedule Notes

Students will complete a 4.5-hour hybrid assignment each week in place of class on Fridays; Students will complete a 180-hour externship that can be started as soon as they begin course TEMA 1520, Specialty Patient Care and Treatment and will have 12 months to complete it from the time they finish the coursework.

Students enrolling in this program FOR THE 2:50PM AND 6:00PM SECTIONS ONLY must meet with an MTECH Academic Counselor prior to registration. High School students should bring a parent. For an appointment please visit mtec.edu/counseling.

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	2:50pm-5:50pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	6:00pm-9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/5/2026 - TBD	2:50pm-5:50pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/5/2026 - TBD	6:00pm-9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - TBD	2:50pm-5:50pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - TBD	6:00pm-9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/1/2027 - TBD	2:50pm-5:50pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/1/2027 - TBD	6:00pm-9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	6/1/2027 - TBD	2:50pm-5:50pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	6/1/2027 - TBD	6:00pm-9:00pm	Monday - Friday

Provo	Provo Room Number	Provo Maximum Enrollment
Provo	205	24

Provo Schedule Notes

Students will complete a 4.5-hour hybrid assignment each week in place of class on Fridays; Students will complete a 180-hour externship that can be started as soon as they begin course TEMA 1520, Specialty Patient Care and Treatment and will have 12 months to complete it from the time they finish the coursework.

Students enrolling in this program AT THE PROVO CAMPUS must meet with an MTECH Academic Counselor prior to registration. High School students should bring a parent. For an appointment please visit mtec.edu/counseling.

Provo Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	7:30am-10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	11:30am-2:30pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2025	8/17/2026 - TBD	2:45pm-5:45pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	6:00pm-9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/5/2026 - TBD	7:30am-10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/5/2026 - TBD	11:30am-2:30pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/5/2026 - TBD	2:45pm-5:45pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/5/2026 - TBD	6:00pm-9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - TBD	7:30am-10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - TBD	11:30am-2:30pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - TBD	2:45pm-5:45pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - TBD	6:00pm-9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/1/2027 - TBD	7:30am-10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/1/2027 - TBD	11:30am-2:30pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/1/2027 - TBD	2:45pm-5:45pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/1/2027 - TBD	6:00pm-9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	6/1/2027 - TBD	7:30am-10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	6/1/2027 - TBD	11:30am-2:30pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	6/1/2027 - TBD	2:45pm-5:45pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	6/1/2027 - TBD	6:00pm-9:00pm	Monday - Friday

Other Location Schedule Notes

Cost

Total Program Tuition
3500

Total Program Fees
610

Total Cost of Program
4256

Total Cost of Program
4116

Required Materials

MATERIALS	NOTES	COST
Blesi's Medical Assistant Textbook	9th Edition; ISBN: 9780357502815	Included in course fees
Blood Pressure Kit	available in the MTECH Store	$40.00
Scrubs	Students will order scrubs through the program store of Logo It On; it is recommended to purchase at least two sets	Cost may vary
Background Check and Drug Screen	paid to Verified Credentials; more information available from the Program Coordinator	$106.00

Optional Materials

MATERIALS	NOTES	COST
NA		

Industry Exams

NAME OF EXAM	ADDITIONAL INFORMATION	COST
NHA Medical Assistant Exam	not required for employment in the State of Utah	$165.00

TEMC - Medical Coding and Billing

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
Medical Coding and Billing

Total Program Hours
900

Total Program Credits
30

Total Length of Time to Complete the Program
15 months

CIP Code
51.0713

Program Code
TEMC

Program Description

The Medical Coding and Billing program provides students with the technical skills and knowledge for an entry-level position in a health care setting through competency-based education. All students in the Medical Coding and Billing program study medical terminology, anatomy, laws and ethics, standard medical billing and coding methods, medical coding software, and functions of the Electronic Health Record (EHR). Students develop administrative office skills, receive hands-on experience using a Medical EHR system to schedule, manage patient accounts, and enter patient documentation. The program prepares students to work as entry-level Medical Coder and/or Biller in a medical office, clinic, or hospital. In addition, medical coding and billing specialists examine how to code diagnoses and procedures performed or identified by a physician. Students also explore how to process health insurance claims, examine coverage issues, and processes for billing and collections. Medical billing and coding specialists prepare to take the National Certified Professional Coding (CPC) examination through American Academy of Professional Coders (AAPC). There are other medical coding certification exams available including Certified Coding Specialist (CCS) offered by the American Health Information Management Association (AHIMA) and the Certified Medical Coder (CMC) offered by the Practice Management Institute (PMI).

Upon program completion, students will be able to:

• Define anatomy and medical terminology.

• Explain medical, legal and ethical responsibilities.

• Discuss the elements necessary for HIPAA compliance.

• Locate, document, and validate appropriate diagnostic and procedure codes using the current ICD-10-CM, CPT, and HCPCS coding manuals for professional services.

• Demonstrate proper billing, insurance claim preparation using medical office software, and reimbursement.

• Prepare to sit for the National Certification Exam.

Certificates and Licensure

- MTECH Program Certificate in Medical Coding and Billing
- Students are prepared to take the national certification exam offered by the AAPC (American Academy of Professional Coders)

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEMC1020 - Introduction to Medical Coding and Billing	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	508	633

Course Name	Course Hours	Course Credits
TEMC1051 - Medical Insurance Billing I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEMC1060 - Medical Insurance Billing II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEMC1070 - Medical Office Software	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEMC1410 - Communication for Health Care Professionals	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	65	315

Course Name	Course Hours	Course Credits
TEMC1230 - Medical Terminology and Anatomy I	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	130	505

Course Name	Course Hours	Course Credits
TEMC1240 - Medical Terminology and Anatomy II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEMC1110 - Coding I	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	216	591

Course Name	Course Hours	Course Credits
TEMC1121 - Coding II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	253	628

Course Name	Course Hours	Course Credits
TEMC1131 - Coding III	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEMC1140 - Coding IV	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TEMC1900 - Coding Certification Exam Prep	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	499	749

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEMC1020 Introduction to Medical Coding and Billing
- TEMC1051 Medical Insurance Billing I
- TEMC1060 Medical Insurance Billing II
- TEMC1070 Medical Office Software
- TEMC1410 Communication for Health Care Professionals
- TEMC1230 Medical Terminology and Anatomy I
- TEMC1240 Medical Terminology and Anatomy II
- TEMC1110 Coding I
- TEMC1121 Coding II
- TEMC1131 Coding III
- TEMC1140 Coding IV
- TEMC1900 Coding Certification Exam Prep

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi, Provo	April 27, 2026	May 3, 2026	May 4, 2026
Lehi, Provo	May 11, 2026	May 26, 2026	May 27, 2026
Lehi	June 29, 2026	July 5, 2026	July 6, 2026
Lehi	July 27, 2026	August 16, 2026	August 17, 2026
Lehi	August 31, 2026	September 7, 2026	September 8, 2026
Lehi	September 28, 2026	October 4, 2026	October 5, 2026
Lehi	October 26, 2026	November 1, 2026	November 2, 2026
Lehi	November 30, 2026	December 6, 2026	December 7, 2026
Lehi	December 14, 2026	January 4, 2027	January 5, 2027
Lehi	January 25, 2027	January 31, 2027	February 1, 2027
Lehi	February 22, 2027	February 28, 2027	March 1, 2027
Lehi	March 29, 2027	April 4, 2027	April 5, 2027
Lehi	April 26, 2027	May 2, 2027	May 3, 2027
Lehi	May 17, 2027	June 6, 2027	June 7, 2027

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center

Program Specific Prerequisites

- Students enrolling in this program must meet with the Program Coordinator and an MTECH Academic Counselor prior to registration. High School students should bring a parent. For an appointment, please email emily.haskell@mtec.edu or visit https://mtec.edu/admissions-advisors/.

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building A	217	20

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	05/04/2026	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	05/04/2026	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	05/27/2026	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	05/27/2026	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	07/06/2026	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	07/06/2026	11:30 am -2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	09/08/2026	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	09/08/2026	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/05/2026	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/05/2026	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/02/2026	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/02/2026	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	12/07/2026	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	12/07/2026	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	02/01/2027	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	02/01/2027	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/01/2027	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/01/2027	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	04/05/2027	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	04/05/2027	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	05/03/2027	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	05/03/2027	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/07/2027	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/07/2027	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Cost

Total Program Tuition
3750

Total Program Fees
1671

Total Cost of Program
5421

Total Cost of Program
5407

Required Materials

MATERIALS	NOTES	COST
Online (internet) connectivity for at home learning	This program is a hybrid program and requires online learning as well as virtual attendance each Friday. Access to a internet connectivity is required.	$0.00
Fordney's Medical Insurance and Billing Textbook	17th Edition - ISBN 9780443108785	Included in Course Fees
Fordney's Medical Insurance and Billing Workbook	17th Edition - ISBN 9780443109430	
SimChart for the Medical Office: Learning the Medical Office Workflow	2026 Edition - ISBN 9780443433733	Included in Course Fees
Therapeutic Communication for Health Care Professionals	5th Edition - ISBN 9780357619018 - Digital Access Code	Included in Course Fees
Medical Terminology & Anatomy for Coding	5th Edition - ISBN 9780443110931	Included in Course Fees
Pocket Anatomy & Physiology	4th Edition - ISBN 9781719642958	Included in Course Fees
Step-By-Step Medical Coding Textbook	ISBN 9780443248788	
Step-By-Step Medical Coding Workbook	ISBN 9780443248795	
CPT Professional Textbook	2026 Edition - ISBN 9781640163225	Included in Course Fees
ICD-10 CM Expert Textbook	2026 Edition - ISBN 9781610163263	Included in Course Fees
HCPCS Level II Expert Textbook	2026 Edition - ISBN 9798892580991	Included in Course Fees

MATERIALS	NOTES	COST
3x5 Index Cards		Included in Course Fees
Headphones		Included in Course Fees
Durable 1" index Tabs for Coding Manuals		Included in Course Fees
Highlighers; Yellow + One Additional Color		Included in Course Fees
Notebook, 1 Subject College Ruled Paper		Included in Course Fees
Red Pen		Included in Course Fees
Mechanical Pencil		Included in Course Fees
Black Pen		Included in Course Fees
Flash Drive: 8GB		Included in Course Fees

Industry Exams

INDUSTRY EXAM(S)	ADDITIONAL INFORMATION	COST
AAPC (American Academy of Professional Coders) Certification Exam		$499 (Included in Course Fees)

TEMT - Machining Technology

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Machining Technology

Total Program Hours
900

Total Program Credits
30

Total Length of Time to Complete the Program
15 Months

CIP Code
48.0501

Program Code
TEMT

Program Description

The Machining Technology program trains students to use machine tools to produce complex parts used in every industry – from the machines they use, to the parts they use to produce their product. Machinists are trained to use various turning, milling, grinding, and computer numerical controlled (CNC) machines to produce complex parts. Machinists are also tasked to interpret engineer's drawings to process the desired part. The Machining Technology program is structured to give students a solid foundation in the core fundamentals of machining and launch a career in a field that is always in high demand.

Upon program completion, students will be able to:

• Demonstrate safe operation of machine shop equipment.

• Interpret engineering drawings.

• Perform calculations common to the machining industry.

• Use appropriate measuring equipment.

• Use cutting tool geometry and theory in the machining process.

• Properly select appropriate equipment and cutting tools.

• Setup, program, and operate a Computer Numerical Control (CNC) machine.

Certificates and Licensure

MTECH Program Certificate in Machining Technology

Required Courses

Course Name, Tuition, and Fees

Course Name
TEMT1000 - Manufacturing Fundamentals

Course Hours
90

Course Credits
3

Course Tuition
375

Course Fees
375

Total Cost of the Course
750

Course Name	Course Hours	Course Credits
TEMT1200 - Lathe Concepts	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	75	450

Course Name	Course Hours	Course Credits
TEMT1100 - Mill Concepts	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	75	450

Course Name	Course Hours	Course Credits
TEMT1650 - Applied Manual Machining	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	30	405

Course Name	Course Hours	Course Credits
TEMT1150 - CNC Mill Concepts	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	90	465

Course Name	Course Hours	Course Credits
TEMT1250 - CNC Lathe Concepts	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	90	465

Course Name	Course Hours	Course Credits
TEMT1300 - CNC Mill Programming	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	97	472

Course Name	Course Hours	Course Credits
TEMT1350 - CNC Lathe Programming	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	97	472

Course Name	Course Hours	Course Credits
TEMT1050 - Advanced Manufacturing Fundamentals	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	130	505

Course Name	Course Hours	Course Credits
TEMT2300 - Multi-Axis	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	116	491

Simple Requirements

(No Requirement Levels)

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEMT1000 Manufacturing Fundamentals
- TEMT1200 Lathe Concepts
- TEMT1100 Mill Concepts
- TEMT1650 Applied Manual Machining
- TEMT1050 Advanced Manufacturing Fundamentals
- TEMT1150 CNC Mill Concepts
- TEMT1250 CNC Lathe Concepts
- TEMT1300 CNC Mill Programming
- TEMT2300 Multi-Axis
- TEMT1350 CNC Lathe Programming

Registration Info

Enrollment Available To:

HS Juniors; must be at least 16 years old, HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi	April 29, 2026	August 16, 2026	August 17, 2026
Lehi	April 29, 2026	January 4, 2027	January 5, 2027

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.

Schedule

Lehi
Lehi Building B

Lehi Room Number
118/120

Lehi Maximum Enrollment
9

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - Non-Term	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - Non-Term	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026 - Non-Term	5:15 pm - 8:15 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027 - Non-Term	7:30 am - 10:30 am	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027 - Non-Term	11:30 am - 2:30 pm	Monday - Thursday; Friday Hybrid

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027 - Non-Term	5:15 pm - 8:15 pm	Monday - Thursday; Friday Hybrid

Cost

Total Program Tuition
3750

Total Program Fees
1175

Total Cost of Program
6381

Total Cost of Program
6216

Required Materials

MATERIALS	NOTES	COST
Precision Machining Technology, 3rd Edition	9780831133328	Included in Fees
Machinery's Handbook, 32nd Edition, Tool Box Edition	9780831137311	Included in Fees
Machinist Tool Kit	Not required the first day of class, this will be discussed the first week of class.	$1456.00

TENA - Nursing Assistant

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Nursing Assistant

Total Program Hours
144

Total Program Credits
4

Total Length of Time to Complete the Program
2-4 months

CIP Code
51.3902

Program Code
TENA

Program Description
The Nursing Assistant program is designed for students to receive their certification by completing coursework in classroom and clinical settings.

Upon program completion, students will be able to:
Upon program completions, students will be able to:

• Explain activities of daily living and nursing assistant scope of practice.

• Demonstrate correct recognizing and reporting, communication, infection control, safety, and residents' rights in the care setting.

• Demonstrate proficiency in all skills required for state certification.

• Perform nursing assistant skills in a healthcare setting.

Certificates and Licensure
- MTECH Program Certificate in Nursing Assistant
- Students are prepared to take the State of Utah Certification by UNAR (Utah Nursing Assistant Registry)
- Healthcare Provider Basic Life Support (BLS) Certificate
- First Aid Certificate

Required Courses

Course Name, Tuition, and Fees

Course Name
TENA1110 - Nursing Assistant

Course Hours
90

Course Credits
3

Course Tuition
375

Course Fees
75

Total Cost of the Course
450

Course Name
TENA1900 - Nursing Assistant Clinicals

Course Hours
24

Course Credits
0

Course Tuition
0

Course Fees
25

Total Cost of the Course
25

Course Name
TENA1200 - Comprehensive Skills Practice

Course Hours
30

Course Credits
1

Course Tuition
125

Course Fees
135

Total Cost of the Course
260

No Requirements

Registration Info

Enrollment Available To:
HS Juniors; must be at least 16 years old, HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
ALL	Now Open	The day before the class starts	All classes starting before May 30, 2026
ALL	February 18, 2026	The day before the class starts	All classes starting between May 27, 2026 and June 30, 2026
ALL	April 15, 2026	The day before the class starts	All classes starting between July 1, 2026 and May 30, 2027

Prerequisites

Program Specific Prerequisites
- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- After course registration is complete please gather the following information and be prepared to submit to instructor after the course start date:
    - One-step Tuberculosis test:
      Test must have been completed with the past 12 months with expiration date ending after course

completion
Accepted tests: TB skin test, titer, or negative chest x-ray.

- Required Immunizations:
  Hepatitis B (3 step series)

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building A	208	20

Lehi Schedule Notes

Clinicals may be held outside of the regularly scheduled classes. CPR and First Aid may be taught on Saturdays. Dates are in draft form until the school districts finalize their A/B day Calendars - students will be given a comprehensive schedule on the first day of class

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/19/2026 - 12/9/2026	7:30am - 10:30am	Alpine A Days

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/19/2026 - 12/9/2026	11:30am - 2:30pm	Alpine A Days

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/20/2026 - 12/10/2026	7:30am - 10:30am	Alpine B Days

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/20/2026 - 12/10/2026	11:30am - 2:30pm	Alpine B Days

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/25/2026 - 12/10/2026	5:00pm - 9:00pm	T, Th

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 5/7/2027	7:30am - 10:30am	Alpine A Days

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 5/7/2027	11:30am - 2:30pm	Alpine A Days

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 5/10/2027	7:30am - 10:30am	Alpine B Days

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 5/10/2027	11:30am - 2:30pm	Alpine B Days

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 5/18/2027	5:00pm - 9:00pm	T, Th

Heber	Heber Room Number	Heber Maximum Enrollment
Heber Valley Campus	210	20

Heber Schedule Notes

Clinicals may be held outside of the regularly scheduled classes. CPR and First Aid may be taught on Saturdays. Students will be given a comprehensive schedule on the first day of class

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026-11/24/2026	7:30am-10:30am	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026-11/24/2026	11:45am-2:45pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/06/2027-4/22/2027	7:30am-10:30am	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/06/2027-4/22/2027	11:45am-2:45pm	Monday-Thursday

Payson	Payson Room Number	Payson Maximum Enrollment
Payson	209	20

Payson Schedule Notes

Clinicals may be held outside of the regularly scheduled classes. CPR and First Aid may be taught on Saturdays. Dates are in draft form until the school districts finalize their A/B day Calendars - students will be given a comprehensive schedule on the first day of class

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/07/2026	7:30am - 10:30am	Nebo A Days

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/07/2026	11:45am - 2:45pm	Nebo A Days

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/19/2026 - 12/8/2026	7:30am - 10:30am	Nebo B Days

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/19/2026 - 12/8/2026	11:45am - 2:45pm	Nebo B Days

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 5/10/2027	7:30am - 10:30am	Nebo A Days

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 5/10/2027	11:45am - 2:45pm	Nebo A Days

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/7/2027 - 5/7/2027	7:30am - 10:30am	Nebo B Days

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/7/2027 - 5/7/2027	11:45am - 2:45pm	Nebo B Days

Provo	Provo Room Number	Provo Maximum Enrollment
Provo	220	20

Provo Schedule Notes

Clinicals may be held outside of the regularly scheduled classes. CPR and First Aid may be taught on Saturdays. Dates are in draft form until the school districts finalize their A/B day Calendars - students will be given a comprehensive schedule on the first day of class

Provo Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/25/2026-10/29/2026	9:00am - 1:00pm	Tuesday, Wednesday, Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/10/2026-1/28/2027	9:00am - 1:00pm	Tuesday, Wednesday, Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	2/9/2027-4/20/2027	9:00am - 1:00pm	Tuesday, Wednesday, Thursday

Other Location Schedule Notes

Programs held in the high school are for current high school students only and follow the high school calendars for holidays and bell schedules.

Clinicals may be held outside of the regularly scheduled classes. CPR and First Aid may be taught on Saturdays. Dates are in draft form until the school districts finalize their Calendars.

Other Location Schedule

Other Location	Room Number	Maximum Enrollment
North Summit High School	4	20

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/20/2026-12/16/2026	7:45am - 9:26am	Monday-Friday

Other Location	Room Number	Maximum Enrollment
Park City High School	316	20

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 6/5/2027	11:27am - 2:25pm	PCHS White Days

Cost

Total Program Tuition
500

Total Program Fees
235

Total Cost of Program
735

Total Cost of Program
755

Required Materials

REQUIRED MATERIALS	NOTES	COSTS
Hartman's Nursing Assistant Care: Long Term Care Textbook 5th Edition	ISBN: 9781604251371	included in course fees
Hartman's Nursing Assistant Care: Long Term Care Workbook 5th Edition	ISBN: 9781604251388	included in course fees
Blood Pressure Kit	May be purchased from any vendor or on the MTECH store website.	Cost varies
Scrubs	It is recommended that students have two sets of scrubs, which may be purchased from any vendor or source of their choice.	Depends on brand and style

Optional Materials

Missed Clinicals-Students may be charged $50 if they do not show up for their assigned shift and have not notified their instructor

Industry Exams

NAME OF EXAM	ADDITIONAL INFORMATION	COST
State of Utah Certification by UNAR (Utah Nursing Assisting Registry)		Included in Course Fees

TENT - Nail Technician

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
Nail Technician

Total Program Hours
300

Total Program Credits
9

Total Length of Time to Complete the Program
3-4 months

CIP Code
12.0410

Program Code
TENT

Program Description

The Nail Technician program provides the skills needed to work in a beauty or nail salon performing services such as natural nail care, including manicures and pedicures, and nail enhancements. Instruction also includes sanitation, salon safety, nail and skin disorders, professional ethics and salon management, and licensing laws and rules. Upon completion of the program, students have the knowledge and skills needed to take the state written and practical examinations required for licensure.

Upon program completion, students will be able to:

• Demonstrate client protection safety and infection control procedures, including first aid.

• Recognize various diseases and disorders of skin and nails.

• Demonstrate various nail enhancement techniques.

• Evaluate various professional behaviors within the beauty industry.

• Demonstrate safe use of industry equipment.

• Demonstrate competency to pass nail technology state examinations.

Certificates and Licensure

- MTECH Program Certificate in Nail Technician
- Students are prepared to take the State of Utah written and practical Nail Technician licensing exams
- Healthcare Provider BLS and First Aid Certification

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TENT1110 - Nail Technician I	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	1101	1601

Course Name	Course Hours	Course Credits
TENT1200 - Nail Technician II Clinical	90	2

Course Tuition	Course Fees	Total Cost of the Course
250	142	392

Course Name	Course Hours	Course Credits
TENT1401 - Nail Technician III	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	259	634

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TENT1110 Nail Technician I
- TENT1200 Nail Technician II Clinical
- TENT1401 Nail Technician III

Registration Info

Enrollment Available To:

HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	PRE-REGISTRATION OPEN	PRE-REGISTRATION CLOSES	PROGRA START DATE
Lehi, Spanish Fork, Heber	March 11, 2026	May 22, 2026	August 1 2026
Lehi, Spanish Fork, Heber	May 29, 2026	August 14, 2026	October 19, 2026
Lehi, Payson, Heber	August 19, 2026	October 16, 2026	January 2027
Lehi, Payson, Heber	October 22, 2026	January 4, 2027	March 8, 2027
Lehi, Payson, Heber	January 7, 2027	March 5, 2027	June 1, 2027

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Submit the pre-registration form. A new form must be submitted for each registration cycle.

Schedule

Lehi
Lehi Building A

Lehi Room Number
104B, 104C

Lehi Maximum Enrollment
12

Lehi Schedule Notes

EVENING SCHEDULE (only offered in March, October) 4:00pm-9:15pm (Mon-Thu) & 7:00am-3:00pm (Sat) Hybrid - Online theory work will be required. You need to be committed to be able to do at least 5-10 hours of work from home each week.

DAY SCHEDULE (only offered in January, May, August)
7:30am-2:00pm (Tues-Fri) & 7:00am-3:00pm (Sat)
Hybrid - Online theory work will be required. You need to be committed to be able to do at least 5-10 hours of work from home each week.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026	Day - See Schedule Notes	Tuesday - Friday, Saturday
Fall 2026	10/19/2026	Night - See Schedule Notes	Monday - Thursday, Saturday
Spring 2027	01/05/2027	Day - See Schedule Notes	Tuesday - Friday, Saturday
Spring 2027	03/08/2027	Night - See Schedule Notes	Monday - Thursday, Saturday
Summer 2027	06/01/2027	Day - See Schedule Notes	Tuesday - Friday, Saturday

Heber
Heber Valley Campus

Heber Room Number
118C

Heber Maximum Enrollment
12

Heber Schedule Notes

9:30 AM-4:30 PM Monday-Friday
Hybrid - Online theory work will be required. You need to be committed to be able to do at least 5-10 hours of work from home each week.

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026	9:30 am - 4:30 pm	Monday - Friday
Fall 2026	10/19/2026	9:30 am - 4:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027	9:30 am - 4:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/08/2027	9:30 am - 4:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	9:30 am - 4:30 pm	Monday - Friday

Payson
Payson

Payson Room Number
B - TBD

Payson Maximum Enrollment
TBD

Payson Schedule Notes

EVENING SCHEDULE (only offered in March, October) 4:00pm-9:15pm (Mon-Thu) & 7:00am-3:00pm (Sat) Hybrid - Online theory work will be required. You need to be committed to be able to do at least 5-10 hours of work from home each week.

DAY SCHEDULE (only offered in January, May, August)
7:30am-2:00pm (Tues-Fri) & 7:00am-3:00pm (Sat)
Hybrid - Online theory work will be required. You need to be committed to be able to do at least 5-10 hours of work from home each week.

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027	Day - See Schedule Notes	Tuesday - Friday, Saturday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	03/08/2027	Night - See Schedule Notes	Monday - Thursday, Saturday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	06/01/2027	Day - See Schedule Notes	Tuesday - Friday, Saturday

Cost

Total Program Tuition
1125

Total Program Fees
1502

Total Cost of Program
2627

Total Cost of Program
2582

Required Materials

MATERIALS	NOTES	COST
Nail Technician Kit		Included in Fees
Textbooks		Included in Fees
State Board Kit Rental	This kit is required for the State of Utah Practical Exam. If kit is returned with all equipment, student will receive a $40 refund. Does not include any consumable supplies to be returned	$80
Computing Device with Audio/Video Capabilities and Online Connectivity	A portion of some courses will be done online. Students will be required to provide their own device with audio and video capabilities as well as their own internet connectivity. Students should be prepared to complete up to 8 hours of online learning each week they are in the Program	$0

Industry Exams

EXAM		COST	
State of Utah Written Exam		Included in Fees - $96.00	
State of Utah Practical Exam		Included in Fees - $98.00	
State of Utah Licensure Fee		Included in Fees - $60.00	

TEPH - Phlebotomy

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Phlebotomy

Total Program Hours
90

Total Program Credits
3

Total Length of Time to Complete the Program
8 weeks

CIP Code
51.1009

Program Code
TEPH

Program Description
In Phlebotomy, students learn about the past and present of phlebotomy practices, infection control, equipment, safety, the circulatory system, medical terminology, anatomy and physiology, preanalytical consideration, venipuncture, straights venipuncture, butterfly venipuncture, special collections, patient identification, and other relevant skills. Students also learn advanced phlebotomy procedures ensuring adequate knowledge and skills in their field. Students hone communication and phlebotomy skills, while practicing real-life scenarios in a controlled environment. Students explore phlebotomy jobs and prepare for employment by demonstrating learned skills.

Upon program completion, students will be able to:
• Identify laboratory, OSHA, hazardous material, blood borne pathogen exposures, warning symbols, infection

control, and patient safety rules.

• Identify and use laboratory equipment and computer systems.

• Demonstrate use of basic terminology for the healthcare setting, understand and utilize correct order of draw, and

explain the basics of human anatomy and physiology related to venipuncture.

• Draw blood correctly and safely from a patient by properly using equipment and supplies necessary while identifying

and adjusting for any challenges associated with the venipuncture.

• Obtain knowledge of advanced venipuncture procedures and identify when they are to be used.

• Correctly and safely perform blood draws from a patient by properly using any equipment and supplies necessary

while identifying and adjusting for any challenges associated with the venipuncture.

• Demonstrate communication skills appropriate for the phlebotomy industry.

• Discuss the employment requirements and career opportunities within the phlebotomy industry.

Certificates and Licensure
MTECH Program Certificate in Phlebotomy.

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEPH1015 - Phlebotomy	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	100	475

Simple Requirements

Subplan

Phlebotomy

Type
Completion Requirement

Complete ALL of the following Courses:
- TEPH1015 Phlebotomy

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	START DATE
Lehi	April 15, 2026	August 14, 2026	August 17, 2026
Lehi	April 15, 2026	October 16, 2026	October 19, 2026
Lehi	April 15, 2026	January 4, 2027	January 5, 2027
Lehi	April 15, 2026	March 19, 2027	March 22, 2027
Lehi	February 17, 2027	May 28, 2027	June 1, 2027
Lehi	April 14, 2027		All classes starting between August 1, 2027 and May 30, 2028

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center

Schedule

Lehi
Lehi Building A

Lehi Room Number
305

Lehi Maximum Enrollment
20

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-10/8/2026	2:45pm-5:45pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-10/8/2026	6:00pm-9:00pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/19/2026-12/14/2026	2:45pm-5:45pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/19/2026-12/14/2026	6:00pm-9:00pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027-3/1/2027	2:45pm-5:45pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027-3/1/2027	6:00pm-9:00pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/22/2027-5/18/2027	2:45pm-5:45pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/22/2027-5/18/2027	6:00pm-9:00pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	6/1/2027-7/22/2027	2:45pm-5:45pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	6/1/2027-7/22/2027	6:00pm-9:00pm	Monday-Thursday

Cost

Total Program Tuition
375

Total Program Fees
100

Total Cost of Program
525

Total Cost of Program
525

Required Materials

MATERIALS	NOTES	COST
Phlebotomy Essentials Textbook 8th Edition	9781284312997	Included in fees
Scrubs	Cost is for two sets	$50.00

Optional Materials

MATERIALS				NOTES				COST
NA								

Industry Exams

NAME OF EXAM	ADDITIONAL INFORMATION	COST
NHA National Certified Phlebotomy Technician Exam	Strongly Recommended; not available in the MTECH Store	$134.00

TEPL - Plumbing Apprenticeship

Program Info

Effective Start Term
2026-2027

College/School
School of Apprenticeship

Program Title
Plumbing Apprenticeship

Total Program Hours
720

Total Program Credits
24

Total Length of Time to Complete the Program
4 years

CIP Code
46.0503

Program Code
TEPL

Program Description

The Plumbing Apprenticeship program satisfies the educational requirements to take the State Journeyman Plumber Exam. To complete the entire Apprentice Plumbing Program, an individual must be licensed through the State and work under the supervision of a licensed Journeyman Plumber. A basic assessment is required prior to enrolling. This program provides a solid understanding of the International Plumbing Code (IPC), its layout, and the requirements for different plumbing systems and parts of those systems. This program discusses the processes, parts, and risks involved with the various plumbing systems as well as the safety equipment and measures that are in place to protect plumbers and the public alike.

Upon program completion, students will be able to:

- Determine the application of the International Plumbing Code (IPC).
- Demonstrate how to navigate the International Plumbing Code (IPC).
- Calculate sizing of various piping, including natural gas, supply, and waste lines.
- Demonstrate the application of the International Fuel Gas Code.
- Demonstrate the application of the International Mechanical Code.
- Demonstrate practical application of plumbing mathematics.
- Apply critical and practical thinking skills necessary to pass the State Journeyman's Test.

Certificates and Licensure

- MTECH Program Certificate in Plumbing Apprenticeship
- Students are prepared for the Journeyman Plumbing License through the Utah Division of Professional Licensing (DOPL)

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEPL1110 - Plumbing IA	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	464	839

Course Name	Course Hours	Course Credits
TEPL1120 - Plumbing IB	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	69	444

Course Name	Course Hours	Course Credits
TEPL1210 - Plumbing IIA	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	150	525

Course Name	Course Hours	Course Credits
TEPL1220 - Plumbing IIB	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	69	444

Course Name	Course Hours	Course Credits
TEPL1310 - Plumbing IIIA	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	400	775

Course Name	Course Hours	Course Credits
TEPL1320 - Plumbing IIIB	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	239	614

Course Name	Course Hours	Course Credits
TEPL1410 - Plumbing IVA	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	204	579

Course Name	Course Hours	Course Credits
TEPL1420 - Plumbing IVB	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	204	579

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEPL1110 Plumbing IA
- TEPL1120 Plumbing IB
- TEPL1210 Plumbing IIA
- TEPL1220 Plumbing IIB
- TEPL1310 Plumbing IIIA
- TEPL1320 Plumbing IIIB
- TEPL1410 Plumbing IVA
- TEPL1420 Plumbing IVB

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi, Orem, Spanish Fork, Heber	July 15, 2026	August 20, 2026	August 17, 2026
Lehi, Orem, Spanish Fork, Heber	November 18, 2026	January 7, 2027	January 5, 2027

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Work at least part-time for a plumbing company.
- Must be registered with the Utah Division of Occupational and Professional Licensing through an employer (this is not applicable to daytime students). Daytime students must be licensed plumbing apprentices with DOPL before registering for an evening course.
- To continue throughout the program, students must pass each course with a minimum grade of 75%.
- **For transfer students:** Must submit transcripts to the Program Coordinator (jhalcrow@mtec.edu). The Program Coordinator must approve the transcript prior to registration.

Schedule

Lehi	Lehi Maximum Enrollment
Lehi Building B	24

Lehi Schedule Notes
Daytime maximum enrollment is 10. Evening maximum enrollment is 24.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	6:00pm - 9:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 10/7/2026	2:00pm - 5:00pm	Monday - Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/8/2026 - 12/3/2026	2:00pm - 5:00pm	Monday - Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/20/2027	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	6:00pm - 9:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 3/1/2027	2:00pm - 5:00pm	Monday - Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/2/2027 - 4/26/2027	2:00pm - 5:00pm	Monday - Thursday

Lehi 2	Lehi 2 Room Number	Lehi 2 Maximum Enrollment
Lehi Building A	314	24

Lehi 2 Schedule Notes
Daytime maximum enrollment is 10. Evening maximum enrollment is 24.

Lehi 2 Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	6:00pm - 9:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/20/2027	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	6:00pm - 9:00pm	Monday & Wednesday

Heber	Heber Maximum Enrollment
Heber Valley Campus	24

Heber Schedule Notes
Daytime maximum enrollment is 15. Evening maximum enrollment is 24.

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	2:00pm - 5:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	6:00pm - 9:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	2:00pm - 5:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	6:00pm - 9:00pm	Monday & Wednesday

Start Date - End Date	Start Time - End Time	Days
1/5/2027 - 4/20/2027	6:00pm - 9:00pm	Tuesday & Thursday

Orem	Orem Maximum Enrollment
Orem Building B	20

Orem Schedule Notes
Daytime maximum enrollment is 10. Evening maximum enrollment is 20.

Orem Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 10/7/2026	2:00pm - 5:00pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/8/2026 - 12/3/2026	2:00pm - 5:00pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/2/2026	6:00pm - 9:00pm	Monday & Wednesday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/18/2026 - 12/3/2026	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 3/1/2027	2:00pm - 5:00pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/2/2027 - 4/26/2027	2:00pm - 5:00pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 4/20/2027	6:00pm - 9:00pm	Tuesday & Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/6/2027 - 4/28/2027	6:00pm - 9:00pm	Monday & Wednesday

Cost

Total Program Tuition
3000

Total Program Fees
1799

Total Cost of Program
4799

Total Cost of Program
4719

Required Materials

REQUIRED MATERIALS	NOTES	COST
Safety Glasses	Required all 4 years. Available for purchase in the MTECH Store	$5.00
Non-programmable calculator	Required all 4 years. Available for purchase in the MTECH Store	
Modern Plumbing Bundle, 9th Edition	Only for 1A &1B courses	Included in course fees.
2021 International Plumbing Code Book (IPC)	Required all 4 years.	Included in course fees.
2019 NFPA 13D Sprinkler System	Required for 2A - 4B courses.	Included in course fees.
2021 International Mechanical Code Book (IMC)	Required for 3A - 4B courses.	Included in course fees.
2021 International Fuel Gas Code Book (IFGC)	Required for 3A - 4B courses.	Included in course fees.
Utah Amendments and Rule 317-4	Required for 1A.	Included in course fees.
Tablet or Laptop	Required all 4 years.	Student is issued a tablet in 1A which is included in the 1A course fees.
OSHA 10	Only for 1B course.	Included in course fees.

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
Calculated Industries 4065 Construction Calculator	This is the calculator recommended by most plumbing instructors. All plumbing students are REQUIRED to have a simple non-programmable calculator all 4 years of the program.	$52.00
Mathematics for Plumbers and Pipefitters, 8th Edition		

Industry Exams

INDUSTRY EXAMS	ADDITIONAL INFORMATION	COST
OSHA 10	Taken in the 1B course. Included in course fees for the 1B course.	$59

TEPN - Practical Nursing

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Practical Nursing

Total Program Hours
900

Total Program Credits
28

Total Length of Time to Complete the Program
2 Semesters

CIP Code
51.3901

Program Code
TEPN

Program Description

Licensed Practical Nurses (LPNs) provide nursing care to clients with a variety of health needs. LPNs work in a variety of healthcare settings as they work under the direction of registered nurses, physician assistants, doctors and dentists. MTECH's LPN program will prepare you to function as an entry-level nurse. In this program you will receive both classroom theory and practical clinical experience.

Students who complete the Practical Nursing Program will receive a Certificate of Completion from MTECH, be prepared to take the NCLEX-PN Exam, and be prepared to work as a Licensed Practical Nurse. MTECH Graduates have the opportunity to apply for admission into bridge programs where they can work towards becoming registered nurses.

The Practical Nursing Program at Mountainland Technical College at the

Lehi Main Campus located in Lehi, Utah is accredited by:

The Accreditation Commission for Education in Nursing (ACEN)

3390 Peachtree Road NE, Suite 1400

Atlanta, GA 30326

Phone: (404) 975-5000

Email: info@acenursing.org

Web: www.acenursing.org

The most recent accreditation decision made by the ACEN Board of Commissioners

for the Practical Nursing Program is continuing accreditation.

Upon program completion, students will be able to:

● Patient Centered Care: Provide patient-centered care with cultural sensitivity and respect, focusing on the individual needs of the patient.

● Teamwork and Collaboration: Demonstrate effective strategies for communicating as a member of the interdisciplinary health care team.

● Evidence-Based Practice: Develop individualized care based on patient values, clinical expertise, and current evidence.

● Safety: Demonstrate effective use of standardized practices that support safety and quality.

● Informatics: Utilize an electronic health record to document and plan patient care.

Certificates and Licensure

- MTECH Program Certificate in Practical Nursing
- Students are prepared to take the NCLEX-PN exam

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEPN1010 - Fundamentals of Nursing Practice	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	633	1133

Course Name	Course Hours	Course Credits
TEPN1100 - Medical-Surgical Nursing Care	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	239	739

Course Name	Course Hours	Course Credits
TEPN 1140 - Lab and Simulation I	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	150	650

Course Name	Course Hours	Course Credits
TEPN1200 - Introduction to Nursing Pharmacology	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	150	400

Course Name	Course Hours	Course Credits
TEPN1300 - Comprehensive Mental Health Nursing	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	150	400

Course Name	Course Hours	Course Credits
TEPN1440 - Care of Women and Children	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	150	525

Course Name	Course Hours	Course Credits
TEPN2140 - Lab and Simulation II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	150	525

Course Name	Course Hours	Course Credits
TEPN2240 - Pharmacology II	60	2

Course Tuition	Course Fees	Total Cost of the Course
150	150	400

Course Name	Course Hours	Course Credits
TEPN2940 - Clinical I	90	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEPN2941 - Clinical II	90	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Simple Requirements

(No Requirement Levels)

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEPN1010 Fundamentals of Nursing Practice
- TEPN2940 Clinical I
- TEPN 1140 Lab and Simulation I
- TEPN1200 Introduction to Nursing Pharmacology
- TEPN1300 Comprehensive Mental Health Nursing
- TEPN1100 Medical-Surgical Nursing Care
- TEPN2941 Clinical II
- TEPN2140 Lab and Simulation II
- TEPN2240 Pharmacology II
- TEPN1440 Care of Women and Children

Registration Info

Enrollment Available To:
Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	START DATE
Lehi			
Lehi			

Prerequisites

Prerequisites
Application Required

Program Specific Prerequisites

- Current Certified Nurse Assistant (CNA) certification
- Report of Health Evaluation Form
- BLS certificate through American Heart Association
- To create your MTECH student account prior to applying to the LPN program, you must complete the Entrance Assessment and meet the minimum required scores as administered by the Testing Center. If eligible, the exam requirement may be waived by the steps outlined at https://mtec.edu/entrance-assessment/.
- Completion of the following courses from a regionally accredited institution with a C grade or better:
    - Anatomy with lab
    - Physiology with lab
    - Human Growth and Development OR Psychology
- NOTE: Beginning in January 2026 the Integrated Anatomy and Physiology class from Weber State University will not satisfy the application requirement for Anatomy and Physiology.

Schedule

Lehi
Lehi Building D

Lehi Maximum Enrollment
24

Lehi Schedule Notes
Classes are not held during the summer term.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/10/2026 - 5/21/2027	7:00am - 6:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - Dec 2027	7:00am - 6:00pm	Monday - Friday

Cost

Application Fee ($30)
Yes

Total Program Tuition
3500

Total Program Fees
1772

Total Cost of Program
5612

Total Cost of Program
6332

Required Materials

REQUIRED MATERIALS	NOTES	COST
Textbooks/ Workbooks	Bundle	included in course fees
Scrubs	Students will order their scrubs through an online PN program store. It is recommended to purchase at least 2 sets.	varies (approximately $100)
My Clinical Exchange	Software Program	included in course fees
Background Check and Drug Screen	Students will complete this after acceptance into the program	$100
Laptop	Student Preference	varies
Immunizations		varies
Blood Pressure Kit and Stethoscope		$40
Watch with Second Hand	Student Preference	varies
Black Closed Toe Shoes	Student Preference	varies
Utah State PN License Fee	Paid to DOPL after graduating from the program and passing the NCLEX-PN Exam	$100

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
Lab Coat	Students will order this through an online PN program store	varies (approximately $50)

Industry Exams

INDUSTRY EXAMS	ADDITIONAL INFORMATION	COST
National NCLEX-PN Exam	Paid to NCSBN when scheduling the exam	$200

TEPT - Pharmacy Technician

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Pharmacy Technician

Total Program Hours
450

Total Program Credits
13

Total Length of Time to Complete the Program
4 months

CIP Code
51.0805

Program Code
TEPT

Program Description

The Pharmacy Technician program prepares students to support pharmacists by performing a wide range of practice-related duties for community, institutional, compounding, long-term care, mail-order, and other pharmaceutical settings. Students learn the most common medications, calculate dosages, process prescriptions, bill third-party insurance, learn aseptic techniques, and prepare sterile and non-sterile compounded medications. Students receive extensive hands-on training in the lab area using advanced pharmacy technology.

Upon program completion, students will be able to:

• Practice personal and interpersonal skills needed in various pharmacy settings.

• Demonstrate the pharmacy technician's role in the medication-use process and wellness promotion.

• Recall the most utilized drugs by brand and generic name, indications, and interactions.

• Solve pharmacy mathematical calculations.

• Prepare sterile and non-sterile compounds.

Certificates and Licensure

- MTECH Program Certificate in Pharmacy Technician
- Students are prepared to take the Pharmacy Technician Certification Board (PTCB) National Pharmacy Technician Certification Exam or the National Healthcareer Association (ExCPT) National Pharmacy Technician Certification Exam

Required Courses

Course Name, Tuition, and Fees

Course Name
TEPT1010 - Introduction to Pharmacy

Course Hours
90

Course Credits
3

Course Tuition
375

Course Fees
328

Total Cost of the Course
703

Course Name	Course Hours	Course Credits
TEPT1100 - Community Pharmacy Practice	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	50	425

Course Name	Course Hours	Course Credits
TEPT1110 - Institutional Pharmacy Practice	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	50	425

Course Name	Course Hours	Course Credits
TEPT1910 - Pharmacy Technician Externship	180	4

Course Tuition	Course Fees	Total Cost of the Course
500	0	500

Simple Requirements

Subplan

Untitled Requirement

Type
Completion Requirement

Complete ALL of the following Courses:

- TEPT1010 Introduction to Pharmacy
- TEPT1100 Community Pharmacy Practice
- TEPT1110 Institutional Pharmacy Practice
- TEPT1910 Pharmacy Technician Externship

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi, Payson	April 15, 2026	August 14, 2026	August 17, 2026
Lehi, Payson	April 15, 2026	January 4, 2027	January 5, 2027

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building A	203	22

Lehi Schedule Notes
Students will complete a hybrid assignment in place of attending class on Fridays. Students will complete a 180 hour externship upon completion of the class.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/18/2026	7:30am - 10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/18/2026	11:30am - 2:30pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/18/2026	6:00pm - 9:00pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027-5/07/2027	7:30am - 10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027-5/07/2027	11:30am - 2:30pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027-5/07/2027	6:00pm - 9:00pm	Monday - Friday

Heber
Heber Valley Campus

Heber Room Number
207, 208

Heber Maximum Enrollment
24

Heber Schedule Notes
Students will complete a hybrid assignment in place of attending class on Fridays. Students will complete a 180 hour externship upon completion of the class.

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/18/2026	11:45am-2:45pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027-5/07/2027	11:45am-2:45pm	Monday - Friday

Payson
Payson

Payson Room Number
204

Payson Maximum Enrollment
20

Payson Schedule Notes
Students will complete a hybrid assignment in place of attending class on Fridays. Students will complete a 180 hour externship upon completion of the class.

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/18/2026	7:30am - 10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/18/2026	11:45am - 2:45pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027-5/07/2027	7:30am - 10:30am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027-5/07/2027	11:45am - 2:45pm	Monday - Friday

Other Location Schedule Notes

Cost

Total Program Tuition
1625

Total Program Fees
428

Total Cost of Program
2259

Total Cost of Program
2194

Required Materials

REQUIRED MATERIALS	NOTES	COST
Textbook Bundle including the following books: Pharmacy Practice for Technicians; 7th ed, Pharmacology for Technicians; 7th ed, Pharmacy Labs for Technicians; 4th ed, Certification Exam Review for Technicians; 5th ed.	9788765717349	included in course fees
Background Check and Drug Screen	BCI and Workmed	$64.00
Pharmacy Technician Trainee License	paid to DOPL; required to do externship	$50.00
Utah State License Application Fee	paid to DOPL	$92.00

Industry Exams

EXAM NAME		COST
Pharmacy Technician Certification Board (PTCB)		$129 Paid to PTCB

TERT - Limited X-Ray Technician

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Limited X-Ray Technician

Total Program Hours
345

Total Program Credits
10

Total Length of Time to Complete the Program
4-6 months

CIP Code
51.0911

Program Code
TERT

Program Description

In this program, you will be instructed in both the classroom and the laboratory to learn on-the-job skills and then to apply your knowledge in a clinical and/or work setting. Prior to enrolling in this program, you must have an understanding of medical terminology and human anatomy and physiology. Coursework includes learning body positioning and the importance of radiation protection techniques.

Upon program completion, students will be able to:

• Demonstrate x-ray procedures from the top of the skull down to the lower extremities.

• Provide and perform exceptional patient care to their patients, patient families, and coworkers.

• Explain how the x-ray tube works, the physics behind the electrical energy and x-rays, and how x-rays are produced.

• Describe the digital imaging techniques, post processing techniques, and the technical factors that are used for each exam.

Certificates and Licensure

• MTECH Program Certificate in Limited X-Ray Technology

• Students are prepared to sit for the ARRT Limited Scope of Practice in Radiography License Exam

• Students can obtain licensure through DOPL

Required Courses

Course Name, Tuition, and Fees

Course Name
TERT1025 - Radiographic Procedures and Patient Care

Course Hours
120

Course Credits
4

Course Tuition
500

Course Fees
320

Total Cost of the Course
820

Course Name	Course Hours	Course Credits
TERT1035 - Radiographic Core	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	30	405

Course Name	Course Hours	Course Credits
TERT1065 - Limited X-Ray Technician Clinicals	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	15	390

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TERT1025 Radiographic Procedures and Patient Care
- TERT1035 Radiographic Core
- TERT1065 Limited X-Ray Technician Clinicals

Registration Info

Enrollment Available To:
Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE	CL TIM
Lehi	April 15, 2026	August 14, 2026	August 17, 2026	6:0 PM
Lehi	April 15, 2026	January 4, 2027	January 5, 2027	6:0 PM

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Must have graduated from high school or passed the General Educational Development Test (GED).
- Hold a current, active certification or license in one of the following roles:
    - Medical Assistant
    - Advanced Emergency Medical Technician
    - Licensed Practical Nurse
    - Registered Nurse

The credential must remain active from registration through completion of all Limited X-Ray Technician coursework and clinical requirements. Only the certifications and licenses listed above are accepted.

Medical Assistants (MAs) must hold an active national certification earned by passing a national certification exam. Completing a training program, working as a Medical Assistant, or providing an MA program completion diploma does not meet this requirement without an active national certification.

Email proof of your active certification or license to limitedxray@mtec.edu. Verification must be completed before registration. Please allow up to three business days for processing.

Additional Requirements

The following items are not required for registration; however, these items will be collected during the program:

- Current BLS or ACLS certification
- Immunization records. See the Immunization Requirements document for more information.
- Background check
- Drug screen

Students are strongly encouraged to complete applicable immunizations before the program begins. Immunization requirements vary by clinical site, and students must meet all requirements of their selected site before beginning clinicals. Exemptions are subject to the clinical site's policy and may not be accepted.

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building A	215	16

Lehi Schedule Notes
Students will be expected to complete a 3 hour hybrid assignment each week on Tuesdays in addition to their regularly scheduled classes. Clinicals may extend past the last day of class.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - 12/17/2026	6:00 PM - 9:00 PM	M, W, Th

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/5/2027 - 5/13/2027	6:00 PM - 9:00 PM	M, W, Th

Other Location Schedule Notes
Students will complete a 3-hour hybrid assignment in addition to their regularly scheduled classes; clinicals may extend past the last day of class

Cost

Total Program Tuition
1250

Total Program Fees
365

Total Cost of Program
1715

Total Cost of Program
$1665.00

Required Materials

REQUIRED MATERIALS	NOTES	COST
Radiography Essentials for Limited Practice 6th Edition		included in course fees
Radiography Essentials for Limited Practice Workbook 6th Edition		included in course fees
Bontrager's Handbook of Radiographic Positioning and Related Anatomy - Pocket Size and Spiral Bound 11th Edition		included in course fees
Rad Tech Boot Camp (Clover Learning)	Student will be given an access code after course fee has been paid	included in course fees
Scrubs	Any black scrubs are acceptable	$100.00

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
None		

Industry Exams

INDUSTRY EXAMS	ADDITIONAL INFORMATION	COST
ARRT Limited Scope of Practice in Radiography	Required to be employed; not paid to MTECH	$200.00
DOPL License Fee	Required to be employed; not paid to MTECH	$70.00

TERT - Radiography Technology

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Radiography Technology

Total Program Hours
1600

Total Program Credits
42

Total Length of Time to Complete the Program
15 months

CIP Code
51.0911

Program Code
TERT

Program Description

The Radiography Technology program is the first step in your career as a Registered Radiologic Technologist. The primary responsibility of radiologic technologists is to create images of patients bodies using medical imaging equipment, such as X-ray, Fluoroscopy, and C-arm imaging. The images that you help create will help medical providers diagnose and treat injuries and diseases. In this program you will be instructed in classroom and laboratory settings to learn on-the-job skills, and then apply that knowledge in a clinical setting. You will have the opportunity to gain experience in a variety of healthcare settings including but not limited to hospitals, urgent care, and family practice clinics. The experience you will gain at your clinical sites will put you on the path to a successful career as a Radiographic Technologist.

Upon program completion, students will be able to:

• Demonstrate x-ray procedures from skull down to the lower extremity.

• Perform exceptional patient care.

• Explain how the x-ray tube works, the physics behind it, and how x-rays are produced.

• Perform 935 on the job training hours throughout the course of the program.

Certificates and Licensure

- MTECH Program Certificate in Radiography Technology
- Students are prepared to take the AART National Exam for Radiologic Technologists
- Healthcare Provider Basic Life Support (BLS)

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours
Untitled Course	5/0

Course Fees
29

Course Name	Course Hours	Course Credits
TERT1020 - Radiographic Anatomy and Procedures	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	410	785

Course Name	Course Hours	Course Credits
TERT1030 - Radiographic Imaging and Exposure Techniques	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	120	495

Course Name	Course Hours	Course Credits
TERT1050 - Patient Care	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	100	225

Course Name	Course Hours	Course Credits
TERT1070 - Radiography Clinicals I	270	6

Course Tuition	Course Fees	Total Cost of the Course
750	20	770

Course Name	Course Hours	Course Credits
TERT1110 - Radiology Physics	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	165	290

Course Name	Course Hours	Course Credits
TERT1120 - Radiographic Anatomy and Procedures II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	10	385

Course Name	Course Hours	Course Credits
TERT1130 - Radiographic Imaging II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	10	260

Course Name	Course Hours	Course Credits
TERT1140 - Radiographic Protection and Radiobiology	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	100	225

Course Name	Course Hours	Course Credits
TERT1171 - Radiography Clinicals II	270	6

Course Tuition	Course Fees	Total Cost of the Course
750	10	760

Course Name	Course Hours	Course Credits
TERT2010 - Radiography and Pediatric Pathology	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	10	135

Course Name	Course Hours	Course Credits
TERT2020 - Radiographic Anatomy & Procedures III	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	70	320

Course Name	Course Hours	Course Credits
TERT2030 - Alternate Modality and Sectional Anatomy	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	10	260

Course Name	Course Hours	Course Credits
TERT2071 - Radiography Clinicals III	270	6

Course Tuition	Course Fees	Total Cost of the Course
750	10	760

Course Name	Course Hours	Course Credits
TERT2150 - Registry Review	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	10	385

Course Name	Course Hours	Course Credits
TERT2170 - Radiography Clinicals IV	125	2

Course Tuition	Course Fees	Total Cost of the Course
250	10	260

No Requirements

Registration Info

Enrollment Available To:
Adults

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center, Application Required

Program Specific Prerequisites

Degree Requirements

- High school diploma or GED and one of the following:
    - An Associate degree or higher in any field of study or
    - Completion of all required classes to satisfy the Associate of Applied Science in Healthcare Services degree requirements at Utah Valley University. See UVU Pre-Radiologic Technology

Coursework Requirements

- Completion of the following courses from any regionally accredited college or university and earn a B- grade or higher in each course. Coursework does expire and must be completed within five years of applying to the program:
    - Human Anatomy + Lab (4 credits)
    - Human Physiology + Lab (4 credits)

Job Shadowing Requirements

- Applicants are required to job shadow an X-ray Radiologic Technologist (Rad Tech) for a minimum of 3 hours. Shadowing up to 13 hours can give applicants some additional rubric points in the application process.
    - Hours must be completed in an X-ray/Fluoroscopy department. Shadowing alternate modalities such as CT, MRI, Ultrasound/Sonography, Mammography, etc. will not count toward job shadowing hours. Applicants do not need to perform the hours in different locations, but shadowing in different locations can add additional points to their applications
    - Complete this form to track all of your job shadowing hours. See form.

Degree and Coursework Deadline

Applicants can apply to the program while their degree and anatomy and physiology coursework are still in progress. However, degree and coursework requirements must be completed by the end of June of the year they apply. An applicant will be able to submit proof that any necessary coursework is still in progress in their application.

Schedule

Lehi
Lehi Building A

Lehi Room Number
215

Lehi Maximum Enrollment
16

Lehi Schedule Notes
Students will be in class Monday and Wednesday for their first year of the program and will be in class Tuesday and Thursday for their second year. They should plan to attend clinicals on the days they do not have class.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026 - TBD	9:00 am - 3:30pm	M-F

Cost

Application Fee ($30)
Yes

Total Program Tuition
5250

Total Program Fees
1555

Total Cost of Program
6905

Total Cost of Program
7104

Non-Credit Course Tuition
20

Non-Credit Course Fees
29

Total Cost of Non-Credit Course
AHA Basic Life Support - $49

Required Materials

REQUIRED MATERIALS	NOTES	COST
Bontrager's Textbook of Radiographic and Related Anatomy, 10th Edition	9780323653671	Included in course fees
Bontrager's Workbook of Radiographic Positioning and Related Anatomy, 10th Edition	9780323694230	Included in course fees
Bontrager's Handbook of Radiographic Positioning and Related Anatomy - Pocket Size and Spiral Bound, 10th Edition	9780323694223	Included in course fees
Principles of Radiographic Imaging: An Art and A Science, 6th Edition	9781337711067	Included in course fees
Mosby's Comprehensive Review of Radiography	9780323479912	Included in course fees
Scrubs	Students will order scrubs through the program store of Safeguard	Cost may vary ($100)
DOPL Application Processing Fee	Paid to DOPL, required for license	$70

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
Radiographic Imaging and Exposure, 6th Edition	9780323661393	$65
Patient Care in Radiography, 10th Edition	9780323654401	$40
Radiation Protection in Medical Radiography, 9th Edition	9780323825030	$45
Radiologic Science for Technologists	9780323661348	$110

Industry Exams

INDUSTRY EXAMS	ADDITIONAL INFORMATION	COST
Radiologic Technologist License through ARRT		Included in Course Fees

TESP - Sterile Processing Technician

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Sterile Processing Technician

Total Program Hours
915

Total Program Credits
25

Total Length of Time to Complete the Program
9 months

CIP Code
51.1012

Program Code
TESP

Program Description

The beginning of a successful surgery begins with clean and sterile surgical instruments. As a Sterile Processing Technician, you will be an essential team member of the operating room and healthcare team. You will be responsible for the cleanliness, decontamination, inspecting and assembly of surgical instruments, packaging, and sterilization of all surgical instruments. As you pay close attention to details regarding instruments you will have to be an effective verbal and written communicator with the OR staff to make procedures a success. Sterile Processing Technicians have a strong understanding of decontamination and infection control to ensure their work protects patients and healthcare members from infections and diseases. After completing this course, students will be prepared to take the Certified Registered Central Service Technician (CRCST) certification exam offered by the Healthcare Sterile Processing Association (HSPA). This program is based on the HSPA certification, CRCST.

Upon program completion, students will be able to:

• Identify the different instrumentation used in daily surgical procedures (scissors, forceps, clamps, needle holders, and retractors).

• Assemble surgical instrument trays and instruments designated for other departments (ED, Labor and Delivery, ICU, Cardiac Unit, Research).

• Demonstrate how to package single or paired instruments in paper/plastic pouches for sterilization. This packaging method is commonly known as the Peel Pack method.

• Demonstrate the different processes of sterilization methods such as high-temperature and low.

• Receive certification through the American Heart Association for Basic Life Support for the Healthcare Provider and First Aid.

• Apply safe practices regarding PPE, bloodborne pathogens, and distinguish between different levels of disinfection (High, Intermediate, Low).

Certificates and Licensure

- MTECH Program Certificate in Sterile Processing Technician
- Healthcare Provider Basic Life Support Certificate
- First Aid Certificate
- Students are prepared to take the Certified Registered Central Service Technician (CRCST) exam

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TESP1012 - Introduction to Sterile Processing	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	164	414

Course Name	Course Hours	Course Credits
TESP 1013 - Introduction to Decontamination	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	45	295

Course Name	Course Hours	Course Credits
TESP 1111 - Preparation and Packaging	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	60	435

Course Name	Course Hours	Course Credits
TESP 1212 - Sterilization and Disinfection I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	45	295

Course Name	Course Hours	Course Credits
TESP 1213 - Sterilization and Disinfection II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	45	295

Course Name	Course Hours	Course Credits
TESP 1311 - Storage and Distribution, QA, and Equipment	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	50	425

Course Name	Course Hours	Course Credits
TESP 1902 - Externship I	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours	Course Credits
TESP 1903 - Externship II	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	250

Course Name	Course Hours	Course Credits
TESP 1904 - Externship III	90	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TESP 1905 - Externship IV	135	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Simple Requirements

(No Requirement Levels)

Students must complete all of the following courses to earn a certificate

Type
Completion Requirement

Complete ALL of the following Courses:

- TESP1012 Introduction to Sterile Processing
- TESP 1013 Introduction to Decontamination
- TESP 1111 Preparation and Packaging
- TESP 1212 Sterilization and Disinfection I

- TESP 1213 Sterilization and Disinfection II
- TESP 1311 Storage and Distribution, QA, and Equipment
- TESP 1902 Externship I
- TESP 1903 Externship II
- TESP 1904 Externship III
- TESP 1905 Externship IV

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi	April 15, 2026	August 14, 2026	August 17, 2026
Lehi	April 15, 2026	April 9, 2027	April 12, 2027

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center

Program Specific Prerequisites
- Students will need to complete a background check, drug screen, and submit proof of immunizations through Verified Credentials. Proof of health insurance maybe required.

Schedule

Lehi
Lehi Building A

Lehi Room Number
221

Lehi Maximum Enrollment
12

Lehi Schedule Notes
Students will complete a 3 hour hybrid assignment each week in place of coming to class on Wednesdays; Students will complete a 495 hour externship upon completion of the class.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2025	5/27/2025-12/5/2025	7:30am-10:30am	Monday -Friday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2025	5/27/2025-12/5/2025	11:30am-2:30pm	Monday -Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2026	1/5/2026-8/3/2026	7:30am-10:30am	Monday -Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2026	1/5/2026-8/3/2026	11:30am-2:30pm	Monday -Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-3/23/2027	7:30am-10:30am	Monday -Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	8/17/2026-3/23/2027	11:30am-2:30pm	Monday -Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	4/12/2027-11/19/2027	7:30am-10:30am	Monday-Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	4/12/2027-11/19/2027	11:30am-2:30pm	Monday-Friday

Cost

Total Program Tuition
3125

Total Program Fees
409

Total Cost of Program
3739

Total Cost of Program
3739

Required Materials

REQUIRED MATERIALS	NOTES	COST
Central Service Technician Manual & Workbook 9th Edition	N/A	included in course fees
Scrubs	Ordered through Safeguard	$100.00
Background Check and Drug Screen	Students will pay Verified Credentials directly	$105.25
Technology Requirement:	Students must have access to a Windows or Mac computer (laptop or desktop) to complete hybrid coursework.	Varies

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
Rulers		$1.00
Industrial Sharpies		$2.00

Industry Exams

INDUSTRY EXAMS	ADDITIONAL INFORMATION	COST
CRCST Exam	Must be completed within one year of externship	$140.00

TESU - Surgical Technology

Program Info

Effective Start Term
2026-2027

College/School
School of Healthcare

Program Title
Surgical Technology

Total Program Hours
945

Total Program Credits
27

Total Length of Time to Complete the Program
9 months

CIP Code
51.0909

Program Code
TESU

Program Description

The Surgical Technology program is designed to prepare you for employment as an entry-level surgical technologist (ST). Students enrolled in this program will focus on the basics of surgical technology, microbiology, infection control, asepsis, and surgical techniques. Students will develop the fundamental concepts and principles necessary to successfully participate as a member of the surgical team.

Upon program completion, students will be able to:

• Correlate the knowledge of anatomy, physiology, pathophysiology, and microbiology to the roles and responsibilities of a surgical technologist.

• Identify commonly used equipment, supplies, and medications used in the perioperative setting.

• Apply the principles of asepsis to the perioperative environment.

• Perform competently and safely the skills of an entry-level surgical technologist.

• Use legal, moral, and ethical principles to evaluate the care of a surgical patient.

• Demonstrate the professional attributes of a surgical technologist.

• Pass the national certification examination.

Certificates and Licensure

- MTECH Program Certificate in Surgical Technology
- Students are prepared to take the national Tech in Surgery TS-C (NCCT) certification exam
- Healthcare Provider Basic Life Support (BLS) Certificate

Required Courses

Course Name, Tuition, and Fees

Course Name
TESU1015 - Introduction to Surgical Technology

Course Hours
60

Course Credits
2

Course Tuition
250

Course Fees
740

Total Cost of the Course
990

Course Name	Course Hours	Course Credits
TESU1022 - Microbiology and Infection Control	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	80	330

Course Name	Course Hours	Course Credits
TESU1130 - Technology in Surgery	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	80	330

Course Name	Course Hours	Course Credits
TESU1040 - Principles and Practices of Surgical Technology	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	80	455

Course Name	Course Hours	Course Credits
TESU1051 - Surgical Procedures I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	80	330

Course Name	Course Hours	Course Credits
TESU1061 - Surgical Procedures II	60	3

Course Tuition	Course Fees	Total Cost of the Course
250	80	330

Course Name	Course Hours	Course Credits
TESU1070 - Surgical Procedures III	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	80	455

Course Name	Course Hours	Course Credits
TESU1225 - Surgical Technology Exams and Seminar	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	84	334

Course Name	Course Hours	Course Credits
TESU2900 - Surgical Technology Clinical Externship I	180	4

Course Tuition	Course Fees	Total Cost of the Course
500	0	500

Course Name	Course Hours	Course Credits
TESU2910 - Surgical Technology Clinical Externship II	180	4

Course Tuition	Course Fees	Total Cost of the Course
500	0	500

Course Name	Course Hours	Course Credits
TESU2922 - Surgical Technology Clinical Externship III	45	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Simple Requirements

Subplan

Introduction to Surgical Technology

Type
Completion Requirement

Complete ALL of the following Courses:

- TESU1015 Introduction to Surgical Technology

Microbiology and Infection Control

Type
Completion Requirement

Complete ALL of the following Courses:
- TESU1022 Microbiology and Infection Control

Technology in Surgery

Type
Completion Requirement

Complete ALL of the following Courses:
- TESU1130 Technology in Surgery

Principles and Practices of Surgical Technology

Type
Completion Requirement

Complete ALL of the following Courses:
- TESU1040 Principles and Practices of Surgical Technology

Surgical Procedures I

Type
Completion Requirement

Complete ALL of the following Courses:
- TESU1051 Surgical Procedures I

Surgical Procedures II

Type
Completion Requirement

Complete ALL of the following Courses:
- TESU1061 Surgical Procedures II

Surgical Procedures III

Type
Completion Requirement

Complete ALL of the following Courses:
- TESU1070 Surgical Procedures III

Surgical Technology Exams and Seminar

Type
Completion Requirement

Complete ALL of the following Courses:
- TESU1225 Surgical Technology Exams and Seminar

Surgical Technology Clinical Externship I

Type
Completion Requirement

Complete ALL of the following Courses:
- TESU2900 Surgical Technology Clinical Externship I

Surgical Technology Clinical Externship II

Type
Completion Requirement

Complete ALL of the following Courses:
- TESU2910 Surgical Technology Clinical Externship II

Surgical Technology Clinical Externship III

Type
Completion Requirement

Complete ALL of the following Courses:
- TESU2922 Surgical Technology Clinical Externship III

Registration Info

Enrollment Available To:
Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	START DATE
Lehi			
Provo			

Prerequisites

Program Specific Prerequisites
- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- High school diploma or GED.
- Required Immunizations:
  - Tuberculosis test - The two step or the QuantiFERON-TB Gold.
  - Flu vaccination - Within the last year
  - Hepatitis B - Three doses
  - MMR - Two doses
  - Varicella - Titer to show immunity or the vaccine.
  - T-Dap
- Application required

Schedule

Lehi
Lehi Building A

Lehi Room Number
226, 227

Lehi Maximum Enrollment
12

Lehi Schedule Notes
Students have 5 hours for class/lab and 1 hour for lunch Monday - Thursday. Students will complete a 405 hour externship upon completion of the class.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	7/20/2026-3/2/2027	7:30am-1:30pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/15/2027-10/19/2027	7:30am-1:30pm	Monday-Thursday

Provo
Provo

Provo Room Number
203, 210

Provo Maximum Enrollment
12

Provo Schedule Notes
Students have 5 hours for class/lab and 1 hour for lunch Monday - Thursday. Students will complete a 405 hour externship upon completion of the class.

Provo Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/2/2026-6/10/2027	7:30am-1:30pm	Monday-Thursday

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	6/28/2027-1/21/2027	7:30am-1:30pm	Monday-Thursday

Cost

Application Fee ($30)
Yes

Total Program Tuition
3375

Total Program Fees
1578

Total Cost of Program
5158

Total Cost of Program
4953

Required Materials

MATERIALS	QUANTITY	NOTES	COST
Cengage Unlimited - Access for Surgical Technologists	1	Students will receive the access code on the first day of class	Included in course fees
TSC-NCCT		National Certification for Surgical Technologists	Included in course fees
Background Check and Drug Screen	1	Students will pay Verified Credentials directly	$105.00
Scrubs	2	Cost may vary; Students will order their scrubs through SafeGuard according to the program scrub store	$100.00

TEWP - Web Programming and Development

Program Info

Effective Start Term
2026-2027

College/School
School of Technology and Service

Program Title
Web Programming and Development

Total Program Hours
900

Total Program Credits
27

Total Length of Time to Complete the Program
1 Year

CIP Code
11.0801

Program Code
TEWP

Program Description

This program provides students with the knowledge of computational, problem-solving and practical skills needed to integrate and deploy modern websites and web applications. Students will adapt and useindustry-standard tools, including modern client-side and server-side languages and relational and non- relational database structures, to frameworks used in the web industry today.Experienced web developers and software engineers in the industry provide instruction and share knowledge and skill sets as they mentor the students. This program is designed to give students the skills needed to be a Front-End, Junior-Level, Web Developer or Quality Assurance Technician. Students will learn basic Front-End Development including Source Control, HTML, CSS, Bootstrap and Sass. Students will then spend the majority of the program learning JavaScript, TypeScript, Angular and React. The remainder of the program will cover Back-End Development as it relates to Back-end servers, Database, Hosting, Deployment, Security and Automated QA. Throughout the program students will complete a series of professional portfolio projects. Finally, students must complete an externship in order to receive a certificate of completion for this program.

Upon program completion, students will be able to:

• Demonstrate the knowledge and skills necessary for entry-level employment in the Web Programming and Development careers.

• Implement design, authoring, standards, protocols, tools and techniques for development for different Web-based technologies.

• Use industry-standard programming languages and techniques to add user interactivity to Web sites and Web applications.

● Build maintainable and robust React and Angular real-world applications.

• Create real-world web application projects that also involve interacting with databases such as Postgres and NoSQL databases like MongoDB.

• Use Automated QA principles to monitor and ensure increasing improvements for web applications and be able to identify some of the mechanisms used to establish overall health of a product.

• Consider important security concerns when developing websites, and keep servers, software, and data safe from hackers and cyber-attacks.

• Complete a series of professional portfolio projects that they can showcase to potential employers.

• Demonstrate basic understanding of cloud deployment models, and a summary of cloud design principles. Students will be able to create an account and start using the AWS Free Tier to gain hands-on experience with AWS products and services and be prepared to pass the AWS Certified Cloud Foundations exam.

• Develop, implement and evaluate web applications to ensure that it is properly structured, meets industry standards and compatible with browsers and devices using industry cutting-edge technologies for building web applications.

Certificates and Licensure

- MTECH Program Certificate in Web Programming and Development

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEWP1000 - Introduction to Web Development	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	50	300

Course Name	Course Hours	Course Credits
TEWP1010 - JavaScript Programming	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	0	500

Course Name	Course Hours	Course Credits
TEWP1020 - React.js	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	0	375

Course Name	Course Hours
TEWP1030 - Backend Programming	60/2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEWP1040 - Deployment and Security	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Course Name	Course Hours	Course Credits
TEWP1700 - Server-side Web Development	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	0	500

Course Name	Course Hours	Course Credits
TEWP1060 - Angular Framework	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	0	500

Course Name	Course Hours	Course Credits
TEWP1080 - Capstone	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	0	250

Course Name	Course Hours	Course Credits
TEWP1900 - Web Programming and Development Externship I	180	4

Course Tuition	Course Fees	Total Cost of the Course
500	0	500

Course Name	Course Hours	Course Credits
TEWP1910 - Web Programming and Development Externship II	60	1

Course Tuition	Course Fees	Total Cost of the Course
125	0	125

Simple Requirements

Subplan

Courses Required for Completion

Type
Completion Requirement

Complete ALL of the following Courses:

- TEWP1000 Introduction to Web Development
- TEWP1010 JavaScript Programming
- TEWP1020 React.js
- TEWP1030 Backend Programming
- TEWP1040 Deployment and Security
- TEWP1700 Server-side Web Development
- TEWP1080 Capstone
- TEWP1060 Angular Framework
- TEWP1900 Web Programming and Development Externship I
- TEWP1910 Web Programming and Development Externship II

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi	May 15	August 14	August 17, 2026
Lehi	October 15	November 15	January 5, 2027

Prerequisites

Program Specific Prerequisites

- Complete and satisfy score requirements on the Entrance Assessment administered by the Testing Center.
- Complete the Web Programming and Development program application.
- Proficient in digital literacy and computer skills
- Demonstrate a basic understanding of programming. Please see How to Apply Step #3 further down this page for details.

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building B	217, 219	24

Lehi Schedule Notes
Students will also be required to complete hybrid hours and assignments in addition to attending Monday through Friday.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	08/17/2026	7:30 am - 10:30 am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	01/05/2027	7:30 am - 10:30 am	Monday - Friday

Cost

Application Fee ($30)
Yes

Total Program Tuition
3375

Total Program Fees
50

Total Cost of Program
3425

Total Cost of Program
3290

Required Materials

REQUIRED MATERIALS	NOTES	COST
ONLINE (INTERNET) CONNECTIVITY FOR AT HOME LEARNING	This program is a hybrid program and requires online learning. Access to internet connectivity is required	$0.00
Option 1: Use of own personal computing device - pre-approval required by Program Coordinator	To be eligible for this fee, students must have their own Apple or PC laptop that meets these specifications: Minimum Requirements: 8 GB memory; 256GB SSD storage; USB or HDMI Ports. Once admitted to the program, students must produce their device specifications for the Program Coordinator to determine if their device is acceptable for use in the program before the lower program fee can be approved. DEPENDING ON DEVICE, STUDENTS MAY NOT BE ABLE TO USE THE ADDITIONAL MONITOR PROVIDED IN CLASSROOM.	$0.00
Option 2: MacBook Air - Grey	MacBook Air (13.6 inch); 8-Core GPU, 8GB Unified Memory, 256 GB SSD, m3 chip	$1000.00
Option 3: Macbook Pro 14" - Gray	MacBook Pro (14 inch); 8-Core CPU, 10 Core GPU 16GB Unified Memory, 1 TB SSD, m3 chip	$1900.00

Optional Materials

OPTIONAL MATERIALS	NOTES	COST
AI Subscription		$20.00/ month
Additional monitor/connection cables for at home learning	This program is a hybrid program and requires online learning as well as virtual attendance. Access to a second monitor is suggested	$0.00

TEWT - Welding Technology

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Welding Technology

Total Program Hours
900

Total Program Credits
30

Total Length of Time to Complete the Program
16 months

CIP Code
48.0508

Program Code
TEWT

Program Description

In the Welding Technology certificate program, students receive hands-on safety, welding, and cutting instruction on a variety of metals. Instruction includes basic Oxy Fuel Cutting (OFC), Gas Metal Arc Welding (GMAW), Shielded Metal Arc Welding (SMAW), Flux Cored Arc Welding (FCAW), Gas Tungsten Arc Welding (GTAW), and other thermal and mechanical cutting processes. Students also learn welding process-specific and welding shop safety practices, basic print reading, and the proper uses and applications of AWS welding symbols.

Upon program completion, students will be able to:

• Demonstrate welding safety on a daily basis.

• Use measurement systems, written instructions, and prints to complete welding projects.

• Use GMAW, FCAW, GTAW, and SMAW to perform high-quality welds on various metals correctly.

• Use thermal cutting equipment to perform high-quality cuts on ferrous and non-ferrous metals.

• Determine the correct welding and/or cutting process to use in specific applications.

Certificates and Licensure

- MTECH Program Certificate in Welding Technology
- American Welding Society (AWS) Level I Welder Certificates in:
    - GMAW
    - FCAW
    - SMAW
    - GTAW
- AWS D1.1 3G Structural Steel Qualification – FCAW
- AWS D1.1 3G Structural Steel Qualification – SMAW
- (Optional) AWS D1.1 2G Structural Steel Qualification – GMAW Axel Spray Transfer
- (Optional) AWS D1.1 3G Structural Steel Qualification – GTAW
- (Optional) AWS D1.1 1G Structural Steel Qualification – SAW

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEWT1000 - Introduction to Welding and Cutting	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	90	340

Course Name	Course Hours	Course Credits
TEWT1001 - Introduction to Welding and Cutting II	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	209	334

Course Name	Course Hours	Course Credits
TEWT1021 - Blueprints	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	185	560

Course Name	Course Hours	Course Credits
TEWT1311 - Gas Metal Arc Welding (GMAW) I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	133	383

Course Name	Course Hours	Course Credits
TEWT1315 - Gas Metal Arc Welding (GMAW) II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	218	593

Course Name	Course Hours	Course Credits
TEWT1411 - Flux Cored Arc Welding (FCAW) I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	133	383

Course Name	Course Hours	Course Credits
TEWT1413 - Flux Cored Arc Welding (FCAW) II	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	218	593

Course Name	Course Hours	Course Credits
TEWT1111 - Shielded Metal Arc Welding (SMAW) I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	157	407

Course Name	Course Hours	Course Credits
TEWT1112 - Shielded Metal Arc Welding (SMAW) II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	133	383

Course Name	Course Hours	Course Credits
TEWT1132 - Shielded Metal Arc Welding (SMAW) III	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	133	508

Course Name	Course Hours	Course Credits
TEWT1211 - Gas Tungsten Arc Welding (GTAW) I	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	149	399

Course Name	Course Hours	Course Credits
TEWT1212 - Gas Tungsten Arc Welding (GTAW) II	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	125	375

Course Name	Course Hours	Course Credits
TEWT1231 - Gas Tungsten Arc Welding (GTAW) III	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	125	375

Course Name	Course Hours	Course Credits
TEWT1511 - Submerged Arc Welding (SAW)	30	1

Course Tuition	Course Fees	Total Cost of the Course
125	175	300

No Requirements

Registration Info

Enrollment Available To:
HS Seniors; must be at least 17 years old, Adults

Registration Dates
High School students can only register for August and January start dates.

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	NEXT START DATE
Lehi, Orem, Payson, Heber	July 27, 2026	July 31, 2026	August 17, 2026
Lehi, Orem, Payson, Heber	**August 31, 2026**	**September 4, 2026**	**September 8, 2026**
Lehi, Orem, Payson, Heber	September 28, 2026	October 2, 2026	October 5, 2026
Lehi, Orem, Payson, Heber	October 26, 2026	October 30, 2026	November 2, 2027
Lehi, Orem, Payson, Heber	November 30, 2026	December 4, 2026	December 7, 2027
Lehi, Orem, Payson, Heber	December 14, 2026	January 1, 2027	January 5, 2027
Lehi, Orem, Payson, Heber	**January 25, 2027**	**January 29, 2027**	**February 1, 2027**
Lehi, Orem, Payson, Heber	February 22, 2027	February 26, 2027	March 1, 2027
Lehi, Orem, Payson, Heber	March 29, 2027	April 2, 2027	April 5, 2027
Lehi, Orem, Payson, Heber	April 26, 2027	April 30,2027	May 3, 2027
Lehi, Orem, Payson, Heber	May 17, 2027	June 4, 2027	June 7, 2027
Lehi, Orem, Payson, Heber	June 28, 2027	July 2, 2027	July 6, 2027

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center, Students enrolling in this program must meet with an MTECH Admissions Advisor prior to registration. High School students should bring a parent.

Program Specific Prerequisites
High school students can only register for August and January start dates.

Schedule

Lehi
Lehi Building B

Lehi Room Number
114

Lehi Maximum Enrollment
28

Lehi Schedule Notes
Students will complete a hybrid assignment in place of coming to class on Fridays.

Program starts monthly on the following dates. Registration is one week prior to each start date.

7/6/2026,
8/17/2026,
9/8/2026,
10/5/2026,
11/2/2026,
12/7/2026,
1/5/2027,
2/1/2027,
3/1/2027,
4/5/2027,
5/3/2027,
6/7/2027,
7/6/2027

Lehi Schedule

Term	Start Time - End Time	Days
Fall 2026	7:30am - 10:30am	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	11:30am - 2:30pm	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	2:45pm - 5:45pm	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	6:00pm - 9:00pm	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	7:30am - 10:30am	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	11:30am - 2:30pm	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	2:45pm - 5:45pm	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	6:00pm - 9:00pm	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	7:30am - 10:30am	Tuesday, Thursday, Friday

Term	Start Time - End Time	Days
Fall 2026	11:30am - 2:30pm	Tuesday, Thursday, Friday

Term	Start Time - End Time	Days
Fall 2026	2:45pm - 5:45pm	Tuesday, Thursday, Friday

Term	Start Time - End Time	Days
Fall 2026	6:00pm - 9:00pm	Tuesday, Thursday, Friday

Heber	Heber Room Number	Heber Maximum Enrollment
Heber Valley Campus	135	20 (15 HS/5 Adults)

Heber Schedule Notes

Students will complete a hybrid assignment in place of coming to class on Fridays.

Start Dates will be the following:
7/6/2026
8/17/2026
9/8/2026
10/5/2026
11/2/2026
12/7/2026
1/5/2027
2/1/2027
3/1/2027
4/5/2027
5/3/2027
6/7/2027
7/6/2027

Heber Schedule

Term	Start Time - End Time	Days
Fall 2026	7:30 AM - 10:30 AM	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	11:45 AM - 2:45 PM	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	7:30 AM - 10:30 AM	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	11:45 AM - 2:45 PM	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	7:30 AM - 10:30 AM	Tuesday, Thursday, Friday

Term	Start Time - End Time	Days
Fall 2026	11:45 AM - 2:45 PM	Tuesday, Thursday, Friday

Orem	Orem Room Number	Orem Maximum Enrollment
Orem Building A	108	28

Orem Schedule Notes

Students will complete a hybrid assignment in place of coming to class on Fridays.

Start Dates will be the following:
7/6/2026
8/17/2026
9/8/2026
10/5/2026
11/2/2026
12/7/2026
1/5/2027
2/1/2027
3/1/2027
4/5/2027
5/3/2027
6/7/2027
7/6/2027

Orem Schedule

Term	Start Time - End Time	Days
Fall 2026	7:30am - 10:30am	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	11:30am - 2:30pm	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	2:45pm - 5:45pm	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	6:00pm - 9:00pm	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	7:30am - 10:30am	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	11:30am - 2:30pm	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	2:45pm - 5:45pm	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	6:00pm - 9:00pm	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	7:30am - 10:30am	Tuesday, Thursday, Friday

Term	Start Time - End Time	Days
Fall 2026	11:30am - 2:30pm	Tuesday, Thursday, Friday

Term	Start Time - End Time	Days
Fall 2026	2:45pm - 5:45pm	Tuesday, Thursday, Friday

Term	Start Time - End Time	Days
Fall 2026	6:00pm - 9:00pm	Tuesday, Thursday, Friday

Payson	Payson Room Number	Payson Maximum Enrollment
Payson	118	28

Payson Schedule Notes

Students will complete a hybrid assignment in place of coming to class on Fridays.

Start Dates will be the following:
7/6/2026
8/17/2026
9/8/2026
10/5/2026
11/2/2026
12/7/2026
1/5/2027
2/1/2027
3/1/2027
4/5/2027
5/3/2027
6/7/2027
7/6/2027

Payson Schedule

Term	Start Time - End Time	Days
Fall 2026	7:30am - 10:30am	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	11:45am - 2:45pm	Monday - Friday

Term	Start Time - End Time	Days
Fall 2026	7:30am - 10:30am	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	11:45am - 2:45pm	Monday, Wednesday, Friday

Term	Start Time - End Time	Days
Fall 2026	7:30am - 10:30am	Tuesday, Thursday, Friday

Term	Start Time - End Time	Days
Fall 2026	11:45am - 2:45pm	Tuesday, Thursday, Friday

Other Location Schedule Notes

Required Materials

Cost

Total Program Tuition
3750

Total Program Fees
2183

Total Cost of Program
6601

Total Cost of Program
6481

MATERIALS	NOTES	COST
AWS Online Subscription	Annual $75 AWS Online Access fee	Included in course fees
Blueprint Reading for Welders; 9th Ed.		Included in course fees
Gas Metal Arc Welding Technical Guide		Included in course fees
Flux Cored Arc Welding Technical Guide		Included in course fees
Shielded Metal Arc Welding Technical Guide		Included in course fees
Gas Tungsten Arc Welding Technical Guide		Included in course fees
Welding Equipment	2 soapstone holders, 1 mild steel & 1 stainless steel wire brush, 4 grinding discs, 4 tungsten sticks	$240
Welding Helmet		$70
Protective Clothing	2 canvas jackets, 1 SMAW & 1 GMAW gauntlet gloves 4 lens replacements, 2 safety glasses,	$100
Exam Materials for Industry Certifications		$20
Leather Safety Toed Boots		varies
Chipping Hammer	Can be purchased in the MTECH Store or at Norco	$8
Spark Striker and Tip Cleaner	Can be purchased in the MTECH Store or at Norco	$5
Combination Square	Can be purchased in the MTECH Store or at Norco	$10

MATERIALS	NOTES	COST
Vice Grips and Welpers	Can be purchased in the MTECH Store or at Norco	$10
4 1/2" Grinder	Can be purchased in the MTECH Store or at Norco	$97
Tape Measure	Can be purchased in the MTECH Store or at Norco	$10
Fillet Weld Gauge	Can be purchased in the MTECH Store or at Norco	$48
GTAW- 3/32" Collet, Collet Body, Back Cap, insulator and GTAW torch cup	Can be purchased in the MTECH Store or at Norco	$20
Test Coupons (will need to purchase for each test)	1 per student - 3/8" Plate Coupons	$10/ each
Test Coupons (will need to purchase for each test)	1 per student - 1" Plate Coupons	$20/ each

TEWT1 - Pipe Welding

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Pipe Welding

Total Program Hours
780

Total Program Credits
26

Total Length of Time to Complete the Program
18 - 24 months

CIP Code
48.0508

Program Code
TEWT1

Program Description

In the Pipe Welding program, students will learn advanced pipe welding principles. Students will learn the day-to-day tasks of the advanced welder from lectures, hands-on application, and practice to be prepared to pass advanced ASME Section IX, AWS D1.1, and API 1104 welding certifications. Through instruction and hands-on practice, students will learn and test their skills for the following advanced welding processes: GMAW, FCAW, SMAW, and GTAW.

Upon program completion, students will be able to:

• Describe processes using proper terminology used in the pipe welding industry.

• Differentiate between processes and techniques used to weld on pipe versus traditional welding.

• Use advanced welding tools and equipment need for pipe welding.

• Pass the welding qualification tests.

Certificates and Licensure

- MTECH Program Certificate in Pipe Welding
- QC11 American Welding Society Level II Advanced Welder Certificates in:
    - GMAW
    - FCAW
    - SMAW
    - GTAW
- ASME IX 6G Pipe Qualification Certificate – GMAW
- AWSD1.1 6G Pipe Qualification Certificate – FCAW
- ASME IX 6G Pipe Qualification Certificate – RMD/FCAW
- AWSD1.1 6G Pipe Qualification Certificate – SMAW
- API 1104 6G Pipe Qualification Certificate – SMAW
- ASME IX 6G Pipe Qualification Certificate – GTAW/SMAW

Required Courses

Course Name, Tuition, and Fees

Course Name	Course Hours	Course Credits
TEWT2316 - Gas Metal Arc Welding (GMAW)/Flux Cored Arc Welding (FCAW) - Pre-Pipe	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	273	648

Course Name	Course Hours	Course Credits
TEWT2220 - Gas Tungsten Arc Welding (GTAW) - Pipe	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	435	935

Course Name	Course Hours	Course Credits
TEWT2420 - Flux Cored Arc Welding (FCAW) - Pipe	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	575	1075

Course Name	Course Hours	Course Credits
TEWT2116 - Shielded Metal Arc Welding (SMAW) - Pre-Pipe	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	313	688

Course Name	Course Hours	Course Credits
TEWT2320 - Gas Metal Arc Welding (GMAW) - Pipe	120	4

Course Tuition	Course Fees	Total Cost of the Course
500	575	1075

Course Name	Course Hours	Course Credits
TEWT2216 - Gas Tungsten Arc Welding (GTAW) - Pre-Pipe	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	189	564

Course Name	Course Hours	Course Credits
TEWT2121 - Shielded Metal Arc Welding (SMAW) I - Pipe	60	2

Course Tuition	Course Fees	Total Cost of the Course
250	169	419

Course Name	Course Hours	Course Credits
TEWT 2123 - Shielded Metal Arc Welding (SMAW) II - Pipe	90	3

Course Tuition	Course Fees	Total Cost of the Course
375	169	544

No Requirements

Registration Info

Enrollment Available To:
Adults

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	NEXT START DATE
Lehi, Orem, Payson	June 29, 2026	July 3, 2026	July 6, 2026
Lehi, Orem, Payson	July 27, 2026	July 31, 2026	August 17, 2026
Lehi, Orem, Payson	August 31, 2026	September 4, 2026	September 8, 2026
Lehi, Orem, Payson	September 28, 2026	October 2, 2026	October 5, 2026
Lehi, Orem, Payson	October 26, 2026	October 30, 2026	November 2, 2027
Lehi, Orem, Payson	November 30, 2026	December 4, 2026	December 7, 2027
Lehi, Orem, Payson	December 14, 2026	January 1, 2027	January 5, 2027
Lehi, Orem, Payson	January 25,2027	January 29, 2027	February 1, 2027
Lehi, Orem, Payson	February 22, 2027	February 26, 2027	March 1, 2027
Lehi, Orem, Payson	March 29, 2027	April 2, 2027	April 5, 2027
Lehi, Orem, Payson	April 26, 2027	April 30,2027	May 3, 2027
Lehi, Orem, Payson	May 17, 2027	June 4, 2027	June 7, 2027
Lehi, Orem, Payson	June 28, 2027	July 2, 2027	July 6, 2027

Prerequisites

Prerequisites
Satisfy Entrance Requirements with Testing Center

Program Specific Prerequisites
- Student must complete and pass the MTECH Welding Technology program, or have equivalent industry experience prior to enrolling.
- Must meet with an Admissions Advisor.

Schedule

Lehi	Lehi Room Number	Lehi Maximum Enrollment
Lehi Building B	116	10

Lehi Schedule Notes

Students will complete a hybrid assignment in place of coming to class on Fridays

Start Dates will be the following:
7/6/2026
8/17/2026
9/8/2026
10/5/2026
11/2/2026
12/7/2026
1/5/2027
2/1/2027
3/1/2027
4/5/2027
5/3/2027
6/7/2027
7/6/2027

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 am - 10:30 am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:30 am - 2:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	2:45 pm - 5:45 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	6:00 pm - 9:00 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 am - 10:30 am	Monday, Wednesday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:30 am - 2:30 pm	Monday, Wednesday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	2:45 pm - 5:45 pm	Monday, Wednesday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	6:00 pm - 9:00 pm	Monday, Wednesday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 am - 10:30 am	Tuesday, Thursday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:30 am - 2:30 pm	Tuesday, Thursday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	2:45 pm - 5:45 pm	Tuesday, Thursday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	6:00 pm - 9:00 pm	Tuesday, Thursday, Friday

Heber	Heber Room Number	Heber Maximum Enrollment
Heber Valley Campus	135	10

Heber Schedule Notes

Students will complete a hybrid assignment in place of coming to class on Fridays

Start Dates will be the following:
7/6/2026
8/17/2026
9/8/2026
10/5/2026
11/2/2026
12/7/2026

1/5/2027
2/1/2027
3/1/2027
4/5/2027
5/3/2027
6/7/2027
7/6/2027

Heber Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 AM - 10:30 AM	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:45 AM - 2:45 PM	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 AM - 10:30 AM	M,W,F

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:45 AM - 2:45 PM	M,W,F

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 AM - 10:30 AM	T,Th, F

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:45 AM - 2:45 PM	T,Th, F

Orem	Orem Room Number	Orem Maximum Enrollment
Orem Building A	108A	10

Orem Schedule Notes

Students will complete a hybrid assignment in place of coming to class on Fridays

Start Dates will be the following:
7/6/2026
8/17/2026
9/8/2026
10/5/2026
11/2/2026
12/7/2026
1/5/2027
2/1/2027
3/1/2027
4/5/2027
5/3/2027
6/7/2027
7/6/2027

Orem Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 am - 10:30 am	Monday -Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:30 am - 2:30 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	2:45 pm - 5:45 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	6:00 pm - 9:00 pm	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 am - 10:30 am	Monday, Wednesday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:30 am - 2:30 pm	Monday, Wednesday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	2:45 pm - 5:45 pm	Monday, Wednesday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	6:00 pm- 9:00 pm	Monday, Wednesday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 am - 10:30 am	Tuesday, Thursday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:30 am - 2:30 pm	Tuesday, Thursday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	2:45 pm - 5:45 pm	Tuesday, Thursday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	6:00 pm - 9:00 pm	Tuesday, Thursday, Friday

Payson	Payson Room Number	Payson Maximum Enrollment
Payson	118	10

Payson Schedule Notes

Students will complete a hybrid assignment in place of coming to class on Fridays

Start Dates will be the following:
7/6/2026
8/17/2026
9/8/2026
10/5/2026
11/2/2026
12/7/2026
1/5/2027
2/1/2027
3/1/2027
4/5/2027
5/3/2027
6/7/2027
7/6/2027

Payson Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 am - 10:30 am	Monday - Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:45 am - 2:45 pm	Monday - Frdayu

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 am - 10:30 am	Monday, Wednesday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:45 pm - 2:45 pm	Monday, Wednesday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	7:30 am - 10:30 am	Tuesday, Thursday, Friday

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	Non-Term	11:45 am - 2:45 pm	Tuesday, Thursday, Friday

Cost

Total Program Tuition
3250

Total Program Fees
2698

Total Cost of Program
6753

Total Cost of Program
6663

Required Materials

Materials	Notes	Cost
AWS Online Access	Annual $75 AWS Online Access Fee	Included in Program Fees
Welding Equipment & Practice Pipe	2 soapstone holders, 1 mild steel & 1 stainless steel wire brush, 4 grinding discs, 4 tungsten sticks	$475.00
Welding Helmet		$70
Protective Clothing	2 canvas jackets, 1 SMAW & 1 GMAW gauntlet gloves 4 lens replacements, 2 safety glasses,	$100
Exam Materials for Industry Certifications		$108
Leather Safety Toed Boots	Not Sold at Bookstore	$30
Additional Test Coupons	Pipe Coupons, per each set, Prices subject to change per market value	$22

VETP - Vehicle Emissions Test Prep

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Vehicle Emissions Test Prep

Total Program Hours
20

Total Length of Time to Complete the Program
1 week

CIP Code
47.0612

Program Code
VETP

Program Description

The Emissions Test Preparation Training is a non-credit, 20-hour course designed to prepare technicians for the Utah County Emissions Pretest, which is a prerequisite for enrollment in the Utah County Emissions Certification course offered through the Utah County Department of Health's Bureau of Air Quality.

Through this course, participants will gain foundational knowledge of automotive engine systems, including mechanical, cooling, fuel, electrical, and emission control systems.

Upon program completion, students will be able to:

- **Describe** the fundamental operation and components of engine mechanical, cooling, fuel, electrical, and emission control systems relevant to emissions testing.
- **Analyze** common faults in vehicle systems that can affect emissions performance and identify appropriate diagnostic strategies.
- **Prepare** for the Utah County Emissions Certification by applying course knowledge to practice questions and scenarios similar to those found on the official emissions test.

Required Courses

Course Name, Tuition, and Fees

Course Name
VETP1000 - Vehicle Emissions Test Prep

Course Hours
20

Course Credits
0

Course Tuition
40

Course Fees
60

Total Cost of the Course
100

No Requirements

Registration Info

Enrollment Available To:

HS Seniors; must be at least 17 years old

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	PROGRAM START DATE
Lehi	April 29, 2026		

Prerequisites

Program Specific Prerequisites

- Students must have prior experience working as a mechanic.
- A valid driver's license is required.
- It is recommended to have at least a 10th grade competency level in English and reading.

Schedule

Lehi
Lehi Building B

Lehi Room Number
109

Lehi Maximum Enrollment
16

Lehi Schedule Notes

Vehicle Emissions test prep does not have a start date in August or May.

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	6/22/2026 - 6/26/2026	6:00 PM - 10:00 PM	M - F

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	9/21/2026 - 9/25/2026	6:00 PM - 10:00 PM	M - F

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	10/19/2026 - 10/23/2026	6:00 PM - 10:00 PM	M - F

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	11/16/2026 - 11/20/2026	6:00 PM - 10:00 PM	M - F

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/25/2027 - 1/29/2027	6:00 PM - 10:00 PM	M - F

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	2/22/2027 - 2/26/2027	6:00 PM - 10:00 PM	M - F

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	3/22/2027 - 3/26/2027	6:00 PM - 10:00 PM	M - F

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	4/19/2027 - 4/23/2027	6:00 PM - 10:00 PM	M - F

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2027	6/21/2027 - 6/25/2027	6:00 PM - 10:00 PM	M - F

Cost

Total Program Fees
60

Total Cost of Program
100

Non-Credit Course Tuition	Non-Credit Course Fees	Total Cost of Non-Credit Course
40	60	100

VSIL - Vehicle Safety Inspection

Program Info

Effective Start Term
2026-2027

College/School
School of Trades

Program Title
Vehicle Safety Inspection

Total Program Hours
16

Total Length of Time to Complete the Program
4 days

CIP Code
47.0612

Program Code
VSIL

Program Description

MTECH offers a combined 16-hour course that prepares participants for certification in two of Utah's three Vehicle Safety Inspector categories: Passenger Vehicles/Light Trucks and Motorcycles. In Utah, the three Vehicle Safety Inspector certifications are Passenger Vehicles/Light Trucks, Motorcycles, and Heavy Trucks/Trailers/Buses.

The MTECH 16-hour course provides training exclusively for the Passenger Vehicles/Light Trucks and Motorcycles certifications. Training for the Heavy Trucks/Trailers/Buses certification is not offered.

To successfully complete the program, participants must achieve a minimum score of 80% on both the final examination and the performance checklist. Upon successful completion, participants will receive a certificate and will be eligible to apply for Vehicle Inspection Certification through the Utah Department of Public Safety.

Upon program completion, students will be able to:

- **Identify and interpret** the Utah Department of Public Safety regulations and inspection criteria applicable to passenger vehicles, light trucks, and motorcycles.
- **Demonstrate** proper procedures and techniques for conducting comprehensive safety inspections on passenger vehicles, light trucks, and motorcycles in accordance with state requirements.
- **Evaluate** vehicle components and systems to determine compliance with safety standards and accurately complete inspection documentation and checklists with at least 80% proficiency.

Required Courses

Course Name, Tuition, and Fees

Course Name
VSIL 1000 - Vehicle Safety Inspection

Course Hours
16

Course Credits
0

Course Tuition
36

Course Fees
64

Total Cost of the Course
100

No Requirements

Registration Info

Enrollment Available To:

HS Seniors; must be at least 17 years old

Registration Dates

PROGRAM LOCATION	REGISTRATION OPEN DATE	REGISTRATION CLOSE DATE	START DATE
Lehi	Open until Full	Open until Full	7/13/2026
Lehi	Open until Full	Open until Full	9/14/2026
Lehi	Open until Full	Open until Full	1/11/2026
Lehi	Open until Full	Open until Full	4/12/2027
Lehi	Open until Full	Open until Full	7/12/2027

Prerequisites

Program Specific Prerequisites

- Students need to be able to show that they have some mechanic experience. To receive state certification, students must be at least 18 years old or 17 years old and enrolled in an automotive apprenticeship program.

Schedule

Lehi
Lehi Building B

Lehi Room Number
110

Lehi Maximum Enrollment
16

Lehi Schedule

Term	Start Date - End Date	Start Time - End Time	Days
Summer 2026	7/13/2026 - 7/16/2026	6:00 PM - 10:00 PM	M - TH

Term	Start Date - End Date	Start Time - End Time	Days
Fall 2026	9/14/2026 -9/17/2026	6:00 PM - 10:00 PM	M - TH

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	1/11/2027 - 1/14/2027	6:00 PM - 10:00 PM	M - TH

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	4/12/2027 - 4/15/2027	6:00 PM - 10:00 PM	M - TH

Term	Start Date - End Date	Start Time - End Time	Days
Spring 2027	7/12/2027 - 7/15/2027	6:00 PM - 10:00 PM	M - TH

Cost

Total Program Fees
68

Total Cost of Program
68

Total Cost of Program
100

Non-Credit Course Tuition	Non-Credit Course Fees	Total Cost of Non-Credit Course
32	68	100

All Courses

AUTO0010 - G1 Maintenance and Light Repair

General

Start Term
2026-2027

Subject Code
AUTO

Course Code
AUTO0010

Course Number
0010

Course Hours
150

Course Credits
5

Description
This course provides knowledge of proper practices in working safely in a professional shop environment.

Upon course completion, students will be able to:
- Demonstrate a safety-oriented mindset and always ensure a safe working environment
- Demonstrate the proper use of the tools and equipment needed to work in the automotive industry
- Inspect engine assembly for fuel, oil, coolant and other leaks
- Install engine covers using gaskets, seals and sealers
- Identify service precautions for servicing engines of hybrid electrical vehicles
- Identify cylinder head and valve train components and configurations
- Identify engine block assembly components and configurations
- Perform engine oil and filter change, cooling system leak pressure and dye tests, and identify causes of engines overheating.
- Drain and recover coolant. Remove and replace thermostat and gasket/seal.

AUTO1102 - A1 Engine Repair

General

Start Term
2026-2027

Subject Code
AUTO

Course Code
AUTO1102

Course Number
1102

Course Hours
150

Course Credits
5

Description
In this course, students learn general automotive repair techniques such as researching vehicle information, monitoring automobile status, clearing codes, and inspecting the engine for fluid levels and leaks. Students will diagnose and repair issues with the cylinder head and valve train. They will also perform tests, and diagnose lubrication and cooling system problems, and make necessary repairs.

Upon course completion, students will be able to:
Upon course completion, students will be able to:

Objectives:

- Research vehicle service information online, such as fluid types, part numbers, etc.
- Inspect engines for fluid leaks and determine needed action, including replacement of gaskets and seals
- Check mechanical timing, and inspect/replace engine mounts
- Remove and install engine, cylinder head, and camshaft. Adjust valves.
- Disassemble, inspect and reassemble engine block
- Inspect and maintain and repair lubrication and cooling systems

AUTO1105 - A4 Suspension and Steering

General

Start Term
2025-2026

Subject Code
AUTO

Course Code
AUTO1105

Course Number
1105

Course Hours
120

Course Credits
4

Description
Students will learn to analyze suspension and steering system concerns to develop a plan for action. They will inspect steering systems for fluid levels, leaks and worn belts or hoses. They will also troubleshoot suspension systems, and learn to inspect, remove and replace their parts. Finally, they will learn to align vehicle wheels, repair tires and wheel assemblies, and their monitoring systems.

Upon course completion, students will be able to:
- Identify suspension and steering system components and configurations
- Identify and interpret suspension and steering system concerns, and determine needed action
- Inspect and repair rack and pinion steering parts; drain and replace fluids and hoses
- Inspect and test electric power steering system and diagnose needed action
- Identify and repair the major components related to suspension & steering systems
- Troubleshoot and repair issues with wheel alignment, wheels, and tires.

AUTO1113 - A2 Automatic Transmission/ Transaxle

General

Start Term
2026-2027

Subject Code
AUTO

Course Code
AUTO1113

Course Number
1113

Course Hours
150

Course Credits
5

Description
This course teaches the student to identify transmission and transaxle parts, and to inspect, maintain and repair transmission and transaxle systems. Students will distinguish between continuously variable transmissions, and will learn the characteristics of hybrid vehicle drive trains. They will learn to inspect, measure and replace the valve body, and assemble transmissions and transaxles.

Upon course completion, students will be able to:
- Identify automatic transmission and transaxle components and configurations
- Analyze transmission/transaxle concerns, differentiating between engine performance and transmission/transaxle concerns.
- Diagnose fluid condition and loss, and inspect for leaks
- Diagnose pressure concerns in a transmission, using hydraulic principles
- Drain and replace fluid and filters, and inspect, replace or align powertrain mounts
- Assemble transmission/transaxle
- Inspect and troubleshoot oil delivery circuits, bushings, planetary gear assembly, case bores, clutch drum, piston, etc.

AUTO1114 - A3 Manual DriveTrain and Axles

General

Start Term
2026-2027

Subject Code
AUTO

Course Code
AUTO1114

Course Number
1114

Course Hours
120

Course Credits
4

Description
This course provides the student with knowledge and practice in inspecting, diagnosing and repairing manual drivetrain and axle systems in automobiles and four-wheel/ all-wheel drive vehicles.

Upon course completion, students will be able to:
- Identify drive train and axle components, and identify drive train concerns and action
- Check and adjust clutch master cylinder fluid level, check for leaks, and use proper fluids
- Diagnose clutch noise, binding, slippage, pulsation and chatter to determine needed action; bleed clutch hydraulic system
- Inspect flywheel and ring gear for wear and determine needed action
- Disassemble, inspect, clean and reassemble internal transmission/ transaxle components.
- Inspect and service/replace bearings, hubs and seals, and shafts, yokes boots, and universal/CV joints
- Inspect and repair differential housings, pinion and ring gear, drive axles
- Diagnose, test, adjust and/or replace electrical components of four-wheel or all-wheel drive systems
- Disassemble, service and reassemble transfer case components.

AUTO1116 - A5 Brakes

General

Start Term
2026-2027

Subject Code
AUTO

Course Code
AUTO1116

Course Number
1116

Course Hours
120

Course Credits
4

Description
This course provides instruction on theory and application of braking systems, along with lab practice. Hydraulic Systems are taught, along with inspecting, replacing and repairing brakes lines, hoses, master cylinder and brake drums. Students will learn to service both drum and disc brakes, and will diagnose and repair power brakes and related systems such as Anti Lock Brakes (ABS) Traction Control (TCS) and Electronic Stability Control (ESC) Systems.

Upon course completion, students will be able to:
- Identify components of braking systems, perform road tests and interpret brake system concerns
- Diagnose pressure concerns in the brake system using hydraulic principles
- Bleed and replace brake fluid and reinstall master cylinder
- Remove, clean and inspect brake drum; refinish drum where necessary
- For disc brakes, remove, inspect and replace brake pads; remove, refinish and reinstall rotors
- Inspect vacuum-type power assist braking systems
- diagnose and repair power brakes and related systems such as Anti Lock Brakes (ABS) Traction Control (TCS) and Electronic Stability Control (ESC) Systems.

AUTO1117 - A6 Electrical/Electronic Systems

General

Start Term
2025-2026

Subject Code
AUTO

Course Code
AUTO1117

Course Number
1117

Course Hours
150

Course Credits
5

Description
This course covers the principles and laws of basic electrical theory and lab practices.

Upon course completion, students will be able to:
- Identify electrical systems associated with automobiles and trucks
- Explain basic electrical circuits and how they work
- Discuss battery, starting circuits, and charging systems and their proper function
- Demonstrate proper use of digital multimeter for measuring voltage
- Use wiring diagrams during diagnosis of electrical/electronic circuit problems.
- Test, measure, repair & replace components, connectors, terminals and wiring. Solder repairs.
- Inspect, clean, and replace battery. Reinitialize or enter codes for peripheral equipment as needed.
- Identify, inspect, troubleshoot, repair and replace starters in vehicles
- Inspect, diagnose, and replace interior and exterior lights
- Inspect, diagnose and repair issues with instrument panel gauges and warning lights. Reset if needed.
- Diagnose vehicle comfort, convenience safety, security, restraint, wiper, entertainment, and related systems operation. Update software, as needed.

AUTO1118 - A7 Heating, Ventilation, and Air Conditioning (HVAC)

General

Start Term
2026-2027

Subject Code
AUTO

Course Code
AUTO1118

Course Number
1118

Course Hours
90

Course Credits
3

Description
The A7 Automotive HVAC course covers the HVAC (heating ventilation and air conditioning) systems for
automotive cars and light trucks. Hands on and theory training includes, shop safety, electrical fundamentals, all components and systems both mechanical and electronic that are related to a vehicle's heating and air conditioning system. Manufacturer web-based training, ASE practice testing, and a final exam. Students will also study and take the online EPA section 609 Certification exam in class, as part of the course, and the ASE
A7 certification exam will be taken at an independent testing facility at the conclusion of the course.

Upon course completion, students will be able to:
- Identify and discuss the function of the heating, ventilation, and air conditioning systems
- Identify HVAC components and configurations.
- Perform A/C system performance tests, and determine needed actions
- Inspect, remove and replace A/C systems
- Inspect engine cooling and heating systems, hoses, pipes, control valves and heater core. Repair or replace, as needed.
- Inspect HVAC ducts, doors, hoses, cabin filters, and outlets to determine needed action.
- Use and maintain refrigerant handling equipment.
- Identify A/C system refrigerant. Test, recover, evacuate, and charge A/C system.
- Recycle, label and store refrigerant using proper processes.

AUTO1119 - A8 Engine Performance

General

Start Term
2026-2027

Subject Code
AUTO

Course Code
AUTO1119

Course Number
1119

Course Hours
150

Course Credits
5

Description
Students will identify and interpret various engine performance concerns and will determine need action. They will learn to correct camshaft timing, perform engine manifold pressure tests, and perform tests on cylinders to determine needed adjustments and repairs. Students will also analyze computerized controls to determine needed adjustments. Students will learn to repair and replace the ignition system, fuel filter, exhaust systems, and turbocharger systems, as well as emission control systems

Upon course completion, students will be able to:
- Verify proper engine cooling system operation. Determine any needed actions.
- Verify correct Camshaft timing and adjust as necessary
- Interpret engine performance concerns, including engine noises or vibration concerns.
- Perform engine manifold pressure test, cylinder power balance test, cylinder cranking and running compression tests, and cylinder leaking tests. Determine needed action.
- Diagnose engine mechanical, electrical, electronic, fuel, and ignition concerns. Determine needed action.
- Inspect, test, and adjust engine computerized controls.
- Reprogram or recalibrate the powertrain/engine control module
- Inspect, test, and/or replace ignition components. Reprogram as necessary.
- Identify, test and repair components of the Ignition, Fuel, Air Induction and exhaust systems.
- Inspect and service the Emissions Control Systems.

BLSH1000 - AHA Basic Life Support for Healthcare Providers

General

Start Term
2026-2027

Subject Code
BLSH

Course Code
BLSH1000

Course Number
1000

Course Hours
6

Description
The Basic Life Support (BLS) Course for Health Care Providers is designed to provide professionals with the necessary skills to keep people alive until they can be brought to a hospital or be treated with more advanced lifesaving measures. This course covers: adult and pediatric CPR, two-rescuer scenarios and use of the bag-valve masks, foreign-body airway obstruction, automated external defibrillation, special resuscitation situations, stroke and cardiac arrest, and other cardiopulmonary emergencies.

Upon course completion, students will be able to:
- **Demonstrate high-quality adult, child, and infant CPR** according to current Basic Life Support (BLS) guidelines.
- **Perform appropriate BLS interventions in single-rescuer and two-rescuer emergency scenarios**, including use of a bag-valve mask (BVM), automated external defibrillator (AED), and relief of foreign-body airway obstruction.
- **Recognize and respond appropriately to common cardiopulmonary emergencies**, including cardiac arrest, stroke, and special resuscitation situations, until advanced medical care is available.

CULA01 - Summer Stem Cooking

General

Start Term
2025-2026

Subject Code
CULA

Course Code
CULA01

Course Number
01

Course Hours
32

Description
Spend two weeks this summer learning to cook, the science involved and best of all…EATING YOUR CLASSWORK!

This hands-on class for 7th, 8th and 9th graders will include these classes that combine food and science:

Better Safe than Sorry – Pathogens and Bacteria
Spice Up Life – Papillia and our Olfactory Response
Thick or Thin-Proteins, Lipids and Coagulation
Mixin' it Up-Emulsifications and Acidic Reactions
Rise to the Occasion-Chemical and Natural Leavening Agents
Life in the Fast Lane – Our Body's Energy Sources
Breakin' it Down – Enzymes and What They Do
How Sweet it is-Sucrose, Fructose and Glucose

CULA0108 - Artisan Baking

General

Start Term
2025-2026

Subject Code
CULA

Course Code
CULA0108

Course Number
0108

Course Hours
120

Description
The Artisan Baking and Pastry course is fast-paced and follows the industry standards and practices of classical and contemporary baking. You will learn intermediate and advanced baking techniques in an exciting well-equipped kitchen setting. With the variety of methods and techniques taught, this course makes for a highly concentrated, focused, and hands-on curriculum. Students will participate in scaling, mixing, dough production, retail operations, and oven work in our production kitchen labs.

The coursework involves breads, pies, pastries, cookies, cakes, and some specialty decorating. Bakery math, formulas, and professionalism will be discussed as students work in the classroom and in the kitchen labs to develop their skills and a portfolio. You will be in the kitchen daily preparing a variety of baked goods, cakes, and pastries finished to industry standards. If you enjoy teamwork, bakery production, timelines, and creating delicious baked goods in a commercial baking environment, this course is for you.

IVCE1010 - IV Foundations

General

Start Term
2026-2027

Subject Code
IVCE

Course Code
IVCE1010

Course Number
1010

Course Hours
21

Description
IV Foundations is a 21-hour course, completed over 2 weeks. This advanced course was developed for healthcare professionals with over 20 hours of prior phlebotomy experience, expanding skills and enhancing patient care. This comprehensive course provides in-depth training in intravenous therapy techniques and procedures. With our IV Foundations course, students acquire the expertise needed to confidently perform the placement of IV catheters.

Students will place IV's on classmates and volunteers. All students are required to participate as a patient and a phlebotomist with their classmates. The final exam will consist of a written test and IV skills tests.

Upon course completion, students will be able to:
Learn the theory behind standards for the safe placement of IVs.

Identify IV equipment.

Identify IV risk factors, IV complications, and explain the basics of human anatomy related to IV placement.

Correctly and safely perform an IV insertion on a patient by properly using any equipment and supplies necessary while identifying and adjusting for any challenges associated with the placement.

TEAC1010 - Introduction to Air Conditioning, Heating and Refrigeration

General

Start Term
2026-2027

Subject Code
TEAC

Course Code
TEAC1010

Course Number
1010

Course Hours
90

Course Credits
3

Description
An introductory course explaining the principles of Heating, Air Conditioning, and Refrigeration (HVACR). The basic refrigeration cycle and components will be covered. Elementary electrical concepts, electrical heating systems, and hydronic heating systems will be introduced. Guiding principles for service and installing technicians, i.e., hand-tools, safety, energy conservation, certifications, codes, and permits will be introduced. Careers in HVACR will be explored and trade math skills reviewed.

Upon course completion, students will be able to:
• Explain the basic principles of air conditioning, heating, refrigeration, and ventilation.

• Explain the basic refrigeration cycle and its four major components.

• Describe the fundamental principles of electricity and basic circuits.

• Identify common hand tools, their use, and care.

• Identify career paths in the air conditioning, heating, and refrigeration trade.

TEAC1100 - HVACR Electrical Essentials

General

Start Term
2026-2027

Subject Code
TEAC

Course Code
TEAC1100

Course Number
1100

Course Hours
90

Course Credits
3

Description
The skills reviewed in Introduction to Air Conditioning, Heating, and Refrigeration will be applied to electrical circuits as basic electrical theory is broadened with activities using various electrical meters to reinforce learning from classroom instruction. Electrical components in HVACR systems will be presented as students learn to interpret and produce various electrical diagrams illustrating how these systems are controlled.

Upon course completion, students will be able to:
- Describe the fundamentals of electricity and electrical theory.
- Identify electrical measuring instruments and demonstrate their proper use.
- Identify electrical components utilized in ACHR systems and describe their functions.
- Identify, interpret, and create various types of electrical diagrams associated with HVACR systems.

TEAC1120 - Heating Systems

General

Start Term
2026-2027

Subject Code
TEAC

Course Code
TEAC1120

Course Number
1120

Course Hours
90

Course Credits
3

Description
An introduction to heating fundamentals including heat transfer and combustion theory. Furnace types, their specific control components and sequences of operation will be covered. Students will also prepare for the Rocky Mountain Gas Association (RMGA) Gas Technician Certification exam.

Upon course completion, students will be able to:
- Explain the fundamentals of heating, heat transfer, and combustion.
- Explain the sequence of operation for residential forced-air furnaces.
- Troubleshoot a variety of electrical and mechanical furnace problems.
- Demonstrate mastery of RMGA Certification knowledge by passing the RMGA exam or its equivalent.

TEAC1140 - Basic Refrigeration Systems

General

Start Term
2026-2027

Subject Code
TEAC

Course Code
TEAC1140

Course Number
1140

Course Hours
90

Course Credits
3

Description
An introductory course covering the physical and chemical laws governing the principles of refrigeration. A more in-depth study of the refrigeration cycle, system components, refrigerants, and refrigerant controls will be covered.

Upon course completion, students will be able to:
- Describe the fundamental refrigeration cycle including heat, states of substances, heat transfer, and pressure/temperature relationships.
- Identify common refrigerants and understand their differences and develop an understanding of proper refrigerant handling techniques and the application of EPA Section 608 rules.
- Identify and describe the function of the major refrigerant system components including compressor types and operational characteristics.
- Identify and describe the function of common refrigeration accessories and controls.
- Demonstrate the proper use of refrigerant manifold gauges to evaluate, service, and diagnose refrigerant systems including refrigerant recovery, system evacuation, and refrigerant charging procedures.

TEAC1160 - Basic Installation Skills

General

Start Term
2026-2027

Subject Code
TEAC

Course Code
TEAC1160

Course Number
1160

Course Hours
90

Course Credits
3

Description
Copper tubing and pipe joinery will be covered, including tools and equipment, and their proper use will be demonstrated while emphasizing safety. Oxy-acetylene, air-acetylene and MAPP equipment will be covered. Installation related devices, wiring, tubing installation and sheet metal methods will also be covered. Various hanging and support methods will also be addressed.

Upon course completion, students will be able to:
- Identify and demonstrate several types of piping, fittings, and joining methods.
- Demonstrate how to safely start-up, operate and shut-down an oxy-acetylene torch set.
- Demonstrate electrical installation skills for both line voltage wiring and low voltage control

  systems.
- Describe lineset sizing and installation means and methods.
- Design and fabricate a basic sheet metal fitting/transition.

TEAC1400 - Introduction to HVACR Careers

General

Start Term
2026-2027

Subject Code
TEAC

Course Code
TEAC1400

Course Number
1400

Course Hours
90

Course Credits
3

Description
The Introduction to HVACR Careers and RMGA Certification course will prepare students for the Rocky Mountain Gas Association Gas technician certification. Students will learn HVACR mathematics for technicians and be introduced to the HVACR career field identifying multiple career field paths, with an emphasis on future industry changes. Trac Pipe Gas Certification training provided by AIMR.

Upon course completion, students will be able to:
- Describe an overview of the HVACR industry.
- Describe the different career paths offered in HVACR. Including and not limited to Residential, Commercial, Sales & marketing, Automated Controls, HVAC Technology, Building Operations, Energy Management, Building Commissioning, Renewable Energy, Energy Auditing & Analysis and Design & Engineering.
- Perform mathematical calculations for technicians.
- Pass the RMGA exam.
- Obtain the Trac Pipe Gas Certification by Association of Industry Manufacturers Representatives (AIMR).

TEAC1420 - Advanced Controls and Exit Skills

General

Start Term
2026-2027

Subject Code
TEAC

Course Code
TEAC1420

Course Number
1420

Course Hours
90

Course Credits
3

Description
The Advanced Controls and Exit Skills course is an introduction to advanced electrical principles and theory with regards to residential and commercial HVACR controls, with an emphasis on the following: direct digital controls, electrical wiring, proper grounding of equipment, common problems such as fraying, corrosion, disconnection, and troubleshooting using the hopscotch method.

Upon course completion, students will be able to:
- Diagnose and troubleshoot electrical control systems commonly used in HVACR systems considering the operation and interconnections of controller digital and analog inputs, and digital and analog outputs, to include relays, contactors, switches, transformers, and control boards.
- Read and interpret electrical schematics and blueprints to effectively install, repair, and modify wiring systems in HVACR applications including wire sizing, color coding, grounding, and safety protocols.
- Explain the components and operation of HVACR systems, including air conditioning, heating, ventilation, and refrigeration. Discuss the interplay between mechanical and electrical components as a whole system.
- Diagnose and rectify mechanical issues commonly encountered in HVACR systems. Demonstrate techniques for troubleshooting problems related to compressors, fans, motors, coils, valves, and refrigerant circuits.
- Engage in and demonstrate practical exercises and hands-on labs to reinforce troubleshooting skills and enhance familiarity with mechanical and electrical controls, wiring techniques, and HVACR systems.
- Demonstrate customer relation techniques and crew leadership best practices.
- Complete the NATE CHP-5 Service Certification.

TEAM1010 - Essential Skills and Safety

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM1010

Course Number
1010

Course Hours
90

Course Credits
3

Description
The Essential Skills and Safety course teaches the basic concepts and terminology used in automation technology. Students gain proficiency through applying concepts of fasteners, measurement equipment, tolerances, and hand and power tool operations. The course covers safety and workplace skills as well as school and shop specific operations, standards, and procedures.

Upon course completion, students will be able to:
• Demonstrate a working knowledge of general safety practices and procedures.

• Demonstrate a working knowledge of hand, power, and measurement tools.

• Demonstrate a working knowledge of hardware and fasteners.

• Apply working knowledge of workplace skills.

• Review school specific orientation, standards, and procedures.

TEAM1020 - Pneumatics

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM1020

Course Number
1020

Course Hours
60

Course Credits
2

Description
The Pneumatics course prepares students with the fundamentals needed to work with pneumatic systems. Pneumatic systems are used in a variety of industries where cleaner, faster, and more cost-effective work needs to be done. Competencies include safety, maintenance, operation, installation, component identification, principles of pressure and flow, air logic, troubleshooting, analysis of performance and efficiency, and design of pneumatic systems.

Upon course completion, students will be able to:
• Demonstrate a working knowledge of safety practices and procedures of pneumatic systems.

• Operate, install, and maintain pneumatics systems, tools, and devices.

• Read, utilize, and design pneumatic systems schematics.

• Analyze applications and design of pneumatic systems.

• Apply systems diagnostics and troubleshooting of pneumatic circuits.

TEAM1030 - Hydraulics

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM1030

Course Number
1030

Course Hours
60

Course Credits
2

Description
The Hydraulics course prepares students with the fundamentals needed to work with hydraulic systems. Hydraulic systems are used in a variety of industries where extra force may be required. Competencies include safety, maintenance, operation, installation, component identification, displacement principles, troubleshooting, analysis of performance and efficiency, and design of hydraulic systems.

Upon course completion, students will be able to:
• Demonstrate a working knowledge of safety practices and procedures of hydraulic systems.

• Operate, install, maintain hydraulic systems, tools, and devices.

• Read, utilize, and design hydraulic system schematics.

• Analyze applications and design of hydraulic systems.

• Apply systems diagnostics and troubleshooting of hydraulic circuits.

TEAM1040 - Industrial Mechanics

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM1040

Course Number
1040

Course Hours
90

Course Credits
3

Description
The Industrial Mechanics course is designed to introduce students to the world of mechanical drive systems and their characteristics. Students can demonstrate competency in the following: couplers, component identification, system related calculations, alignment, the effects of wear and vibration, component failure detection and prevention.

Upon course completion, students will be able to:
• Demonstrate a working knowledge of safety practices and procedures.

• Maintain, calibrate, and repair power transmission systems.

• Maintain, calibrate, analyze, and repair mechanical drives (v-belt, chain, gear drive).

• Use and apply vibration and alignment measurement instrumentation and techniques.

• Troubleshoot mechanical drive components and systems.

TEAM1050 - Electrical Systems

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM1050

Course Number
1050

Course Hours
60

Course Credits
2

Description
The Electrical Systems course teaches students to troubleshoot most electrical circuits they encounter in everyday life. Our world runs on electrical power and is fundamental to all work being done in automation. Students in this course gain relevant working knowledge in both AC & DC electrical systems. Competencies include basic electrical circuit design, analysis, troubleshooting, instrumentation, schematic and component identification, physics of electricity and applicable math.

Upon course completion, students will be able to:
• Demonstrate a working knowledge of safety practices and procedures of basic electrical systems.

• Operate, install, maintain electrical systems, tools, and devices.

• Read, utilize, and design electrical systems schematics.

• Apply principles and applications of electrical AC and DC systems.

• Apply systems diagnostics and troubleshooting of electrical circuits.

TEAM1060 - Motor Controls

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM1060

Course Number
1060

Course Hours
90

Course Credits
3

Description
The Motor Controls course prepares students with a working knowledge and understanding of real-world motor control operations. Students who complete this course are able to proficiently setup and design motor control circuits utilizing schematics. Students in this course identify components and utilize instrumentation to troubleshoot and maintain systems.

Upon course completion, students will be able to:
• Demonstrate a working knowledge of safety practices and procedures.

• Operate, install, maintain, and design motor control circuits.

• Demonstrate a working knowledge of commonly used components, devices, and tools.

• Demonstrate a working knowledge of various control systems.

• Apply systems diagnostics and troubleshooting of motor control circuits.

TEAM1070 - Programmable Logic Controllers

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM1070

Course Number
1070

Course Hours
120

Course Credits
4

Description
The Programmable Logic Controllers course teaches students to interface with programmable logic controllers (PLCs). Programmable logic controllers are the brains of all modern automation technology systems. In this course students develop a working knowledge and skill set in the following competencies: ladder logic, programming standards, hardware selection, various inputs and outputs, communication, troubleshooting, setup and installation.

Upon course completion, students will be able to:
• Demonstrate a working knowledge of safety practices and procedures.

• Operate, install, maintain, and program programmable logic controller systems.

• Demonstrate working knowledge of ladder logic programming.

• Apply motor control logic within a programmable logic controller system.

• Apply timers and event sequencing within a programmable logic controller system.

• Configure inputs and outputs for various applications.

• Apply systems diagnostics and troubleshooting of programmable logic control circuit.

TEAM1080 - Applied System Diagnostics

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM1080

Course Number
1080

Course Hours
60

Course Credits
2

Description
The Applied System Diagnostics course covers the essentials of system diagnostics, the essence of what a technician does day to day. This course is designed to simulate real world troubleshooting scenarios. Students apply troubleshooting methodology by using all of the skills that they have learned so far in the program. Students are expected to properly diagnose, repair, and document their work on a variety of systems and challenges.

Upon course completion, students will be able to:
• Demonstrate a working knowledge of safety practices and procedures.

• Troubleshoot an entire system using pre-defined schematics.

• Complete standard technician documentation.

• Use troubleshooting instrumentation within multiple systems.

TEAM1112 - Rotating Machines

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM1112

Course Number
1112

Course Hours
60

Course Credits
2

Description
Students will learn the different types of motors that are used in industry and also the reasons why certain motors are used for different conditions. They will also learn how they are wired internally and externally. Students will also perform different measurements and do calculations to see how the motors perform under different loads.

Upon course completion, students will be able to:
• Connect and operate different industrial motors.

• Measure and calculate speed/torque.

• Calculate efficiency and power consumption.

• Graphing motors performance.

TEAM1115 - Robotics I

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM1115

Course Number
1115

Course Hours
30

Course Credits
1

Description
Robotics 1 will instruct students in robotics safety, economics impacts, hardware, design and coding. They will also design a robot and program to perform a task. Students will discover the fields and career opportunities in robotics.

Upon course completion, students will be able to:
Objectives:

• Practice Safety procedures.

• Operate robotic applications.

• Identify robotic components.

• Identify basic electrical operations.

• Program robot to perform a task.

TEAM1130 - FANUC Robot

General

Start Term
2025-2026

Subject Code
TEAM

Course Code
TEAM1130

Course Number
1130

Course Hours
30

Course Credits
1

Description
Students will operate and design basic programs for Fanuc robots. This will get them the basics that are needed to become a Fanuc robot operator and teach them how to operate a robot safely.

Upon course completion, students will be able to:
Objectives:

• Identify Factory Talk components.

• Configure communications.

• Create different control navigations.

• Create messages, alarms, and configure diagnostics.

• Identify PLC status indicators.

• Test and troubleshoot discrete input/outputs.

• Troubleshoot PLC faults.

• Test and troubleshoot Analog inputs/outputs.

TEAM1310 - Industrial Panel Wiring

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM1310

Course Number
1310

Course Hours
60

Course Credits
2

Description
Students will identify the design and wiring of industry standard control panels. They will use wiring organization to make a clean and professional control panel, using the various tools designed for this application.

Upon course completion, students will be able to:
• Troubleshoot and design circuits.

• Access and use wiring code.

• Connect and operate low voltage/high voltage.

• Use crimps, strippers, wire pullers, and various connections.

TEAM2000 - Programmable Logic Controllers II

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM2000

Course Number
2000

Course Hours
90

Course Credits
3

Description
During this course, students are introduced to advanced programming techniques of Programmable Logic Controllers. This course includes advanced topics of Programmable Logic Controllers not covered in the introductory course such as, process control, data acquisition, computer-controlled processes, variable speed drives, and networking. It may cover various software packages not included in the introductory class such as Allen Bradley 5000 series programming with hands-on labs and other advanced topics as needed to meet employer needs.

Upon course completion, students will be able to:
• Identify and discuss the basics of HMI programming.

• Identify Programmable Automation Controller principles and practices.

• Apply advanced topics of Programmable Logic Controllers in a lab setting.

• Learn advanced hardware and software principles as they apply to Programmable Logic Controllers.

• Demonstrate programming of advanced Programmable Logic Controllers on RSLogix 5000 software package to meet employer needs.

TEAM2031 - PLC Troubleshooting

General

Start Term
2026-2027

Subject Code
TEAM

Course Code
TEAM2031

Course Number
2031

Course Hours
30

Course Credits
1

Description
Students will use and design basic Human-Machine Interface (HMI) programs, using Allen Bradly's "FactoryTalk". They will learn how to make the connections between the Programmable Logic Controllers (PLC) and HMI programs. They will also learn to navigate and use alarms. Students will read and troubleshoot PLC circuits, using basic troubleshooting techniques. They will use symptoms to diagnose troubles. They will also learn how to use multimeters to verify the working contrition of different components.

Upon course completion, students will be able to:
• Identify Factory Talk components.

• Configure communications.

• Create different control navigations.

• Create messages, alarms, and configure diagnostics.

• Identify PLC status indicators.

• Test and troubleshoot discrete input/outputs.

• Troubleshoot PLC faults.

• Test and troubleshoot Analog inputs/outputs.

TEAP1010 - Swift Fundamentals

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1010

Course Number
1010

Course Hours
60

Course Credits
2

Description
This introductory course provides a solid foundation in Swift programming and Xcode, Apple's development environment. Students will learn to write and organize code using Swift's core features, including variables, functions, structs, and classes. Emphasis is placed on applying logical reasoning to solve common programming challenges.

Upon course completion, students will be able to:
- Use and navigate Xcode.
- Apply basic Swift syntax to create structs, classes, variables, functions, and related features.
- Apply logical processing to solve common coding problems.

TEAP1020 - Basic SwiftUI

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1020

Course Number
1020

Course Hours
90

Course Credits
3

Description
In this course, students are introduced to building user interfaces using SwiftUI, Apple’s modern declarative framework. Through hands-on practice, students will create simple views with text, buttons, and styling, while learning how SwiftUI manages state using property wrappers and macros. The course also explores fundamental navigation patterns and introduces architectural concepts like MVVM, helping students to structure and scale their apps effectively.

Upon course completion, students will be able to:
- Create simple View structs with elements such as text and buttons.
- Explain the difference between declarative and imperative programming.
- Style views using view modifiers.
- Manage state using SwiftUI's property wrappers and macros.
- Build simple navigation structures.
- Explore application architecture, especially MVVM, and apply it in an application.

TEAP1030 - Intro to Computer Science with Swift

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1030

Course Number
1030

Course Hours
60

Course Credits
2

Description
This course introduces core computer science concepts through the Swift programming language. Students will explore topics such as computer architecture, operating systems, memory, and storage, while developing a deeper understanding of data structures and algorithms. The course also covers advanced Swift features—including generics and protocols, and teaches students how to design efficient code and debug effectively using industry-standard tools.

Upon course completion, students will be able to:
- Pass an assessment showing understanding of computer architecture, operating systems, memory, and storage.
- Apply common data structures and algorithms in Swift.
- Architect and optimize Swift code for performance and clarity.
- Implement advanced Swift features such as generics and protocols.
- Use industry-standard tools to debug Swift code.

TEAP1310 - Intermediate SwiftUI

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1310

Course Number
1310

Course Hours
90

Course Credits
3

Description
This course builds on foundational SwiftUI skills, guiding students through more advanced interface development techniques. Learners will create custom, reusable views and view modifiers for efficient styling, apply the MVVM architecture to structure apps effectively, and harness SwiftUI's built-in animation tools to enhance user experience. This course helps deepen their SwiftUI knowledge and elevate their app development capabilities.

Upon course completion, students will be able to:
- Create custom reusable subviews and view modifiers for advanced styling.
- Apply MVVM architecture to app design and development.
- Use SwiftUI's animation tools to enhance user experience.

TEAP 1410 - Project Prototyping and Planning

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP 1410

Course Number
1410

Course Hours
90

Course Credits
3

Description
In this preparatory course, students will pitch, plan, and begin prototyping their capstone project. Emphasis is placed on idea development, feasibility assessment, and structured planning to ensure a solid foundation for successful project execution. Students will refine their concepts through feedback and begin building early prototypes that align with their technical goals and user needs.

Upon course completion, students will be able to:
- Pitch, plan, and begin prototyping a capstone project based on feasibility and feedback

TEAP1450 - Networking and Data Storage

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1450

Course Number
1450

Course Hours
60

Course Credits
2

Description
This course teaches students how to send and receive data using RESTful APIs. They will practice remotely accessing publicly available web services as well as locally hosted servers. They will also be able to store and manage local data with SwiftData and SQLite, and then integrate the two skills to create, retrieve, update, and delete data locally and remotely in preparation for their Full App Development course. Students will also apply SOLID design principles and protocol-oriented programming to their code.

Upon course completion, students will be able to:
- Send and receive data over the web using HTTP and public APIs.
- Write asynchronous code using Swift's concurrency functionality.
- Store and retrieve data using SwiftData and SQLite.
- Apply SOLID principles to code design.

TEAP1520 - UIKit Overview

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1520

Course Number
1520

Course Hours
60

Course Credits
2

Description
In this course, students will practice using UIKit, a UI development framework that uses visual interface builders. Students will build simple UIKit apps, compare its standard MVC design to SwiftUI's MVVM, and learn how to bridge the two frameworks.

Upon course completion, students will be able to:
- Create basic UI layouts using UIKit's Storyboard composition system.
- Utilize MVC architecture patterns and describe how it differs from MVVM.
- Bridge UIKit and SwiftUI to leverage the strengths of each in a single app.

TEAP1780 - Full App Development

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1780

Course Number
1780

Course Hours
60

Course Credits
2

Description
In this course, students will get a chance to practice combining all of the skills they have learned up to this point by building a small functional social media app. They will interface with a private social network run on a server hosted by MTECH where they can interact with other members of their class. They work through a hands-on guided project while designing the client interface to follow Apple's Human Interface Guidelines.

Upon course completion, students will be able to:
- Apply SwiftUI, networking, data storage, and design skills to create a fully functional social media app.
- Master those skills in preparation for work on the Capstone project.

TEAP1840 - Career Readiness

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1840

Course Number
1840

Course Hours
30

Course Credits
1

Description
Students will prepare for their career by analyzing market conditions, exploring post-graduation options, and practicing practical skills. They will briefly work with other programming languages to gain familiarity with the broader market. They'll get hands on experience with job search tasks like resume preparation, LinkedIn profile preparation, and mock interviews. Students will also use the common terminology of the software development industry so they are better able to understand and navigate job listings.

Upon course completion, students will be able to:
- Prepare for the job application process by creating a resume, creating a LinkedIn profile, and completing mock interviews.
- Work with other programming languages such as Kotlin, JavaScript, Python, and Ruby to explore future skills to add to their resume.
- Navigate the software development industry and its common terminology.

TEAP1850 - Frameworks and Advanced Development

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1850

Course Number
1850

Course Hours
90

Course Credits
3

Description
This course will introduce students to several of the frameworks in the iOS development ecosystem that developers use. Students will use these tools to add common functionality like audio/video playback and machine learning, add system-level integration features such as Bluetooth and in-app purchases, add accessibility and localization support, and add other advanced features like AR and VR support. They will practice strategies for learning further frameworks, then present their learnings to their peers, and they discuss new and upcoming technology to stay competitive in the current market.

Upon course completion, students will be able to:
- Utilize some of the frameworks available from Apple such as AVFoundation, CoreML, StoreKit, Vapor, and more.
- Utilize third party APIs, such as Firebase.
- Teach someone about a framework after independent research.
- Include accessibility and localization features in a project.
- Investigate new Swift features and prioritize their utility

TEAP1900 - Capstone Project

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1900

Course Number
1900

Course Hours
90

Course Credits
3

Description
This course is the culmination of the iOS development program, where students design, build, and publish a fully functional iOS application to the App Store. Drawing on all previously acquired skills, students will take their app from concept to deployment, demonstrating their ability to execute a complete development cycle and deliver a professional-quality product.

Upon course completion, students will be able to:
- Design, develop, and publish an iOS app to the App Store 90.00

TEAP1910 - Group Final Project I

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1910

Course Number
1910

Course Hours
60

Course Credits
2

Description
In this course, students collaborate in teams to iterate on an existing iOS application, updating it to version 2.0. Using the vocabulary of Agile and Scrum methodologies, students gain hands-on experience with Git and GitHub for version control and collaborative development.

Upon course completion, students will be able to:
- Practice Agile and Scrum methodologies in a collaborative development setting.
- Manage version control and collaboration using Git and GitHub.
- Review an existing codebase and iterate upon it.

TEAP1920 - Group Final Project II

General

Start Term
2026-2027

Subject Code
TEAP

Course Code
TEAP1920

Course Number
1920

Course Hours
60

Course Credits
2

Description
In this course, students continue to collaborate in teams to iterate on an existing iOS application, updating it to version 2.0. Using the vocabulary of Agile and Scrum methodologies, students gain hands-on experience with Git and GitHub for version control and collaborative development. Students are individually tasked with a variety of tickets that require demonstration of ability to apply all previously reviewed concepts to this project.

Upon course completion, students will be able to:
- Practice Agile and Scrum methodologies in a collaborative development setting.
- Manage version control and collaboration using Git and GitHub.
- Review an existing codebase and iterate upon it.
- Demonstrate mastery of all course objectives

TEAQ1000 - Introduction to Quality Assurance

General

Start Term
2026-2027

Subject Code
TEAQ

Course Code
TEAQ1000

Course Number
1000

Course Hours
60

Course Credits
2

Description
This course introduces students to the principles and practices of software quality assurance (QA) and its essential role in the software development lifecycle. Students will learn how to design and execute manual tests, document results, and manage defects using industry-standard methods and tools. The course emphasizes test planning, test case development, and the use of QA systems for tracking, version control, and automation. Upon completion, students will understand the core concepts, terminology, and workflows that underpin effective software quality assurance.

Upon course completion, students will be able to:
• Explain the purpose and role of quality assurance within the software development process.

• Create clear, organized test plans and test cases aligned with project requirements.

• Describe and differentiate among testing types, including unit, integration, system, and acceptance testing.

• Collaborate using industry tools such as bug tracking systems, version control platforms, and automated testing frameworks.

• Apply common QA terminology and best practices to evaluate and improve software quality.

TEAQ1015 - Backend Testing

General

Start Term
2026-2027

Subject Code
TEAQ

Course Code
TEAQ1015

Course Number
1015

Course Hours
60

Course Credits
2

Description
The API Testing course focuses on testing the performance and functionality of software applications. Students learn how to evaluate the speed, scalability, stability, and reliability of software systems, as well as how to test their API endpoints. The course covers a range of topics including load testing, stress testing, spike testing, and endurance testing, as well as API testing tools and techniques.

Upon course completion, students will be able to:
• Explain core database concepts, including tables, relationships, and keys.

• Write SQL queries to retrieve, update, and validate data.

• Describe the role and structure of APIs within software systems.

• Perform API testing, including endpoint validation, request and response handling, and authentication verification.

• Apply tools and methodologies to assess API functionality, reliability, and security.

• Conduct basic performance tests to evaluate backend system responsiveness and stability.

• Analyze test results and identify potential issues affecting backend system performance or data integrity.

TEAQ1018 - Automated Testing Essentials

General

Start Term
2026-2027

Subject Code
TEAQ

Course Code
TEAQ1018

Course Number
1018

Course Hours
90

Course Credits
3

Description
This course introduces the foundational technical skills required for software test automation and team collaboration. Students learn the fundamentals of JavaScript for testing web applications, including working with HTML structures to create selectors, and element locators. The course also covers version control using Git, focusing on managing code, tracking changes, and collaborating within development teams. By the end of the course, students will be able to apply these tools and techniques to support automated testing.

Upon course completion, students will be able to:
• Write and interpret basic JavaScript code for automated testing scenarios.

• Analyze HTML elements, tags, and attributes relevant to testing web interfaces.

• Identify and use selectors such as CSS and XPath to locate and validate web elements.

• Explain fundamental Git concepts, including repositories, commits, and branching.

• Understand and use version control for collaborative code management.

• Integrate JavaScript, selectors, and Git into automated testing and quality assurance processes.

TEAQ1020 - Automated Testing

General

Start Term
2026-2027

Subject Code
TEAQ

Course Code
TEAQ1020

Course Number
1020

Course Hours
90

Course Credits
3

Description
This course provides students with the knowledge and skills to design, develop, and execute automated tests for software applications. Emphasis is placed on selecting and implementing automation frameworks that enhance efficiency, consistency, and accuracy in quality assurance. Students gain hands-on experience creating maintainable test scripts and interpreting test results to support continuous integration and delivery practices.

Upon course completion, students will be able to:
• Explain the role and value of automated testing in modern software development and quality assurance.

• Configure and implement a basic automated testing framework.

• Develop and execute automated test scripts to validate functionality and behavior.

• Apply best practices and design patterns to write scalable, maintainable test automation code.

• Use industry-standard automation tools and frameworks to support testing across diverse applications.

TEAQ1050 - Capstone Project

General

Start Term
2026-2027

Subject Code
TEAQ

Course Code
TEAQ1050

Course Number
1050

Course Hours
60

Course Credits
2

Description
The Automated Testing Capstone Project provides students with a culminating experience to apply the concepts, tools, and techniques learned throughout the quality assurance program. Working independently or in small teams, students design, implement, and present an automated testing solution that reflects real-world software development practices. The course emphasizes project planning, problem solving, version control, and integration of automation frameworks. By completion, students will have produced a professional portfolio project demonstrating their technical competence and readiness for industry roles in software quality assurance.

Upon course completion, students will be able to:
• Define the goals, scope, and deliverables of an automated testing project.

• Select and configure an appropriate automation framework to support project requirements.

• Design, develop, and execute automated test cases that validate system functionality and performance.

• Apply version control tools to manage and document project code.

• Analyze and interpret test results to evaluate software quality and communicate findings effectively

TEAU1045 - Maintenance & Light Repair I

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU1045

Course Number
1045

Course Hours
60

Course Credits
2

Description
This course is an overview of automobile equipment and its operating systems. Emphasis will be placed on safety in the auto shop, common hand tools and equipment, lubrication and cooling systems, tire and wheel services, and basic brake repair. Students have the opportunity to complete minor repairs and preventative maintenance procedures. This course includes extensive hands-on experiences.

Upon course completion, students will be able to:
• Explain the purpose of container labeling and Material Safety Data Sheets (MSDS), and demonstrate
proper handling procedures for common automotive industry materials.
• Describe the layout and functional zones of a typical automotive shop.
• Identify the different classes of fires and select the appropriate type of fire extinguisher for each.
• Recognize hazardous materials commonly found in an automotive shop environment.
• Identify and correctly use common hand and power tools used in automotive service.
• Identify various types of threaded fasteners and perform basic thread repair techniques.
• Identify and explain the functions of major pieces of shop equipment.
• Demonstrate safe and correct use of hoists, jacks, and jack stands in accordance with shop safety
standards.
• Locate, interpret, and apply information from vehicle service manuals, databases, and manufacturer
resources.
• Perform basic vehicle maintenance procedures according to industry standards.
• Conduct preventative maintenance inspections and document findings accurately.

TEAU1101 - Engine Repair I

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU1101

Course Number
1101

Course Hours
60

Course Credits
2

Description
This course covers the diagnosis and repair of the automotive gas engine mechanical systems and components. Students will learn how to diagnose and repair short block and cylinder heads, valve trains, and timing mechanisms.

Upon course completion, students will be able to:
● Diagnose and repair lubrication systems to ensure proper engine function and longevity.
● Diagnose and repair cooling systems, identifying and resolving performance issues.
● Identify and repair engine mounts and oil leaks to maintain engine stability and prevent fluid loss.
● Explain engine design principles, analyze troubleshooting methods, and perform maintenance on
engine components.

TEAU1202 - Automatic Transmissions and Transaxles I

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU1202

Course Number
1202

Course Hours
60

Course Credits
2

Description
This course covers operation and maintenance of automatic/manual transmissions and transaxles. Students will receive training on the diagnosis and repair of various types of clutches, drive axles, u-joints and CV axles.

Upon course completion, students will be able to:
● Diagnose noise, vibration, harshness, and shift quality issues in transmission systems.
● Inspect, adjust, and replace transmission cables, linkage, and range sensors.
● Replace transmission fluid, flush, replace filters, and refill transmission systems.
● Utilize a scan tool to retrieve transmission codes and interpret diagnostic procedures based on
these codes.
● Diagnose and repair drive trains.
● Diagnose and repair drive shaft, half shaft, universal and constant-velocity (CV) joints.
● Diagnose and repair clutches.

TEAU1301 - Manual Drive Train and Axles I

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU1301

Course Number
1301

Course Hours
60

Course Credits
2

Description
This course covers operation and repair of manual shift transmissions and transaxles. Clutches, drive axles, u-joints, and CV axles are also covered.

Upon course completion, students will be able to:
● Diagnose and repair drive trains.
● Diagnose and repair drive shaft, half shaft, universal and constant-velocity (CV) joints.
● Diagnose and repair clutches.

TEAU1410 - Suspension and Steering I

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU1410

Course Number
1410

Course Hours
60

Course Credits
2

Description
This course covers the suspension and steering systems of a modern automobile. Students will receive training on the diagnosis and maintenance of shock absorbers, tie rods, ball joints, tires, McPherson struts, along with conventional steering boxes and rack and pinion steering systems. Practices and principles of basic wheel alignment will be discussed.

Upon course completion, students will be able to:
• Maintain vehicle safety through safe suspension and steering maintenance and repairs.
• Identify and repair automotive steering and suspension systems.
• Identify the issues with and perform an automotive wheel alignment.
• Identify and repair automotive wheels and tires.
• Perform flat repairs; mount and balance wheel and tire assemblies.

TEAU1510 - Brakes I

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU1510

Course Number
1510

Course Hours
60

Course Credits
2

Description
This course covers the operation, maintenance, and some repair of the brake system in a modern automobile. Students will receive training on brake operation and repair of mechanical and hydraulic portions of the brake system. Students will also be introduced to the topics of electronic controls used in anti-lock brake and traction control systems.

Upon course completion, students will be able to:
• Maintain vehicle safety through safe brake maintenance and repairs.
• Identify and repair hydraulic, disc, and drum brake systems.
• Identify and repair parking and anti-lock braking systems.
• Identify and repair traction and stability control systems.
• Repair brake assist systems.

TEAU1610 - Electrical I

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU1610

Course Number
1610

Course Hours
60

Course Credits
2

Description
This course covers the electrical system used in the modern automobile. The training covers electrical theory including Ohm’s law and hands on application of that theory. Students will receive training on types of electrical circuits, wiring diagrams, circuit construction, and electrical diagnostic procedures. Students will learn the use of specialized test equipment such as a multimeter and ammeter.

Upon course completion, students will be able to:
• Maintain vehicle safety through safe electrical maintenance and repairs.
• Identify and repair electrical/electronic series, parallel, and series-parallel circuits using principles
of electricity (Ohm’s Law).
• Identify and repair the causes and effects from shorts, grounds, opens, and resistance problems
in electrical/electronic circuits.
• Identify and demonstrate proper use of a digital multimeter (DMM) when measuring source
voltage, voltage drop (including grounds), current flow and resistance.
• Identify and repair automotive electrical/electronic systems including battery systems, charging
systems starting systems, and lighting systems.

TEAU1701 - Heating, Ventilation, and Air Conditioning (HVAC) I

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU1701

Course Number
1701

Course Hours
60

Course Credits
2

Description
This course covers the theory, operation, and diagnosis of the modern climate control system. Topics covered include compressors, system controls, and recycling of refrigerant gases.

Upon course completion, students will be able to:
● Explain the refrigeration cycle.
● Identify basic components of the Air Conditioning system.
● Diagnose and troubleshoot heater functions.
● Diagnose and troubleshoot heater and air conditioner ventilation ducting system.
● Diagnose the engine cooling system function.
● Remove and replace blower motors, ventilation ducts, linkages and control assemblies.
● Properly handle, recover, test, recycle, and disposal of all types of refrigerants.

TEAU1805 - Engine Performance I

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU1805

Course Number
1805

Course Hours
60

Course Credits
2

Description
The Engine Performance I course provides theory and hands-on instruction in automotive engine
performance while following the program standards set forth by Automotive Service Excellence Education
Foundation at the master level.

Upon course completion, students will be able to:
● Maintain vehicle safety through safe engine performance maintenance and repairs.
● Identify and interpret engine performance concerns; determine needed action.
● Inspect and repair abnormal engine noises or vibration concerns; determine needed action.
● Inspect and repair automotive ignition systems; determine needed action.
● Inspect and repair automotive fuel systems; determine needed action.
● Inspect and repair automotive air induction systems as it relates to engine performance.
● Inspect and repair automotive exhaust systems as it relates to engine performance.

TEAU2045 - Maintenance & Light Repair II

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2045

Course Number
2045

Course Hours
60

Course Credits
2

Description
ASE Automotive Maintenance and Light Repair II builds upon the foundational knowledge established in Automotive Maintenance and Light Repair I. This course advances students' understanding of the theory and operation of suspension and steering systems, braking systems, and the fundamentals of heating, ventilation, and air conditioning (HVAC). Students will also continue developing skills in the maintenance and service of engine and drivetrain systems.

Upon course completion, students will be able to:
• Perform Engine Systems Inspection, Service and Repair.
• Describe engine system fundamentals, including 4-stroke cycle, engine sizes and performance.
• Demonstrate basic engine testing, service and maintenance procedures of engine systems.
• Retrieve and record diagnostic OBDII generic powertrain Diagnostic Trouble Codes (DTCS).
• Perform Automatic and Manual Transmission/Transaxle Inspection, fluid/filter service, and repair.
• Describe the Fundamentals of Automatic Transmission operation.
• Perform Maintenance, Diagnosis and Fluid Service Procedures on axles and differentials.
• Describe Transmission/Transaxle Fundamentals, including clutch operation.
• Perform Inspection, Maintenance, Diagnosis and Service Procedures.
• Explain basic electrical theory, types of circuits in the automobile.
• Demonstrate proper testing procedures using Digital Volt Ohmmeter (DVOM) as well as test
lights.
• Perform battery tests and service procedures.
• Perform starter and alternator tests and service procedures.
• Describe lighting, gauges, horns, and wiper systems service and repair.
• Perform Flat repairs, mount and balance a tire.
• Evacuate and recharge A/C system.
• Replace brake fluid and bleed brakes.

TEAU2055 - Maintenance & Light Repair III

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2055

Course Number
2055

Course Hours
30

Course Credits
1

Description
Automotive Maintenance and Light Repair III builds on concepts from Maintenance and Light Repair I and II, advancing students' knowledge of suspension, steering, braking, and HVAC systems. The course also reinforces skills in engine and drivetrain maintenance, aligning with ASE standards and preparing students
for the ASE G1 certification exam.

Upon course completion, students will be able to:
• Inspect, service, and perform basic diagnostics on engine systems, including retrieving and recording
OBDII powertrain codes.
• Diagnose, maintain, and repair transmission, transaxle, axle, and differential systems, demonstrating
knowledge of automatic and manual operation fundamentals.
• Apply electrical theory to diagnose and service vehicle electrical systems, using appropriate testing
tools and procedures on batteries, starters, alternators, and lighting systems.
• Perform essential maintenance tasks including tire service, brake fluid replacement, brake bleeding,
and HVAC system evacuation and recharge.
• Demonstrate knowledge and skills necessary to pass the ASE G1 certification exam.

TEAU2101 - Engine Repair II

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2101

Course Number
2101

Course Hours
30

Course Credits
1

Description
ASE Engine Repair II builds upon the foundational training from ASE Engine Repair I, focusing on the
diagnosis, repair, and replacement of automotive engines, cylinder heads, valve trains, engine blocks,
and lubrication and cooling systems.

Upon course completion, students will be able to:
● Explain engine design principles, analyze troubleshooting methods, and perform maintenance on
engine components.
● Demonstrate proper engine removal, reinstallation, and general diagnostic procedures.
● Diagnose and repair cylinder head and valve train components.
● Diagnose and repair engine block assemblies.
● Demonstrate proper engine removal, reinstallation, and general diagnostic procedures.
● Diagnose and repair cylinder head and valve train components.
● Diagnose and repair engine block assemblies.
● Identify alternative fuel and advanced technology vehicles.
● Diagnose and repair variable valve timing and advanced engine features.
● Inspect and troubleshoot oil delivery circuits, bushings, planetary gear assembly, case
bores, clutch drum, piston, etc.

TEAU2150 - Engine Repair III

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2150

Course Number
2150

Course Hours
60

Course Credits
2

Description
ASE Engine Repair III builds on prior training with advanced instruction in diagnosing, repairing, and
reassembling engine components, including cylinder heads, valve trains, engine blocks, and cooling and
lubrication systems. Emphasis is placed on safe engine removal and reinstallation. The course aligns
with ASE/NATEF standards and prepares students for the ASE A1 certification exam.

Upon course completion, students will be able to:
● Demonstrate proper engine removal, reinstallation, and general diagnostic procedures.
● Diagnose and repair cylinder head and valve train components.
● Diagnose and repair engine block assemblies.
● Identify alternative fuel and advanced technology vehicles.
● Diagnose and repair variable valve timing and advanced engine features.
● Inspect and troubleshoot oil delivery circuits, bushings, planetary gear assembly, case
bores, clutch drum, piston, etc.

TEAU2210 - Automatic Transmissions and Transaxles II

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2210

Course Number
2210

Course Hours
60

Course Credits
2

Description
This course provides students with the knowledge and skills required to identify and understand the
components of transmission and transaxle systems. Students will learn to inspect, maintain, and repair
these systems, gaining hands-on experience with both traditional and continuously variable
transmissions. The course also covers the unique characteristics of hybrid vehicle drive trains.
Additionally, students will be trained to inspect, measure, replace, overhaul, and assemble transmissions
and transaxles.

Upon course completion, students will be able to:
● Identify automatic transmission and transaxle components and configurations.
● Analyze transmission/transaxle concerns, differentiating between engine performance
and transmission/transaxle concerns.
● Diagnose and repair transmission fault codes and performance concerns.
● Diagnose fluid condition and loss and inspect for leaks.
● Diagnose pressure concerns in a transmission, using hydraulic principles.
● Drain and replace fluid and filters, and inspect, replace or align powertrain mounts.
● Perform diagnosis and repair of electrical faults and reprogram and re-calibrate software.

TEAU2260 - Automatic Transmissions and Transaxles III

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2260

Course Number
2260

Course Hours
30

Course Credits
1

Description
This course develops student proficiency in diagnosing, servicing, and overhauling automatic transmission
and transaxle systems, including CVTs and hybrid drivetrains. Emphasis is placed on hands-on application
and comprehensive system understanding in preparation for the ASE A2 certification exam.

Upon course completion, students will be able to:
● Assemble transmission/transaxle.
● Inspect and troubleshoot oil delivery circuits, bushings, planetary gear assembly, case bores, clutch
drum, piston, etc.
● Identify and analyze automatic transmission and transaxle components and configurations,
distinguishing related concerns from engine performance issues.
● Diagnose and repair transmission system faults, including fluid leaks, pressure issues, electrical
malfunctions, and fault codes using appropriate diagnostic tools and procedures.
● Perform maintenance and service procedures, including fluid and filter replacement, powertrain
mount inspection, and software reprogramming and calibration.
● Inspect, troubleshoot, and assemble internal transmission components, such as oil circuits,
bushings, planetary gear sets, and clutch assemblies, in preparation for the ASE A2 certification
exam.

TEAU2301 - Manual Drive Train and Axles II

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2301

Course Number
2301

Course Hours
60

Course Credits
2

Description
This course offers students the knowledge and hands-on experience necessary to inspect, diagnose, and
repair manual drivetrain and axle systems in both automobiles and four-wheel/ all-wheel drive vehicles. As
the second course in a two-part series, it prepares students for the ASE A3 certification exam, which will
be administered upon completion.

Upon course completion, students will be able to:
● Identify drivetrain and axle components and identify drive train concerns and action.
● Check and adjust clutch master cylinder fluid level, check for leaks, and use proper fluids.
● Diagnose clutch noise, binding, slippage, pulsation and chatter to determine needed action;
bleed clutch hydraulic system.
● Inspect flywheel and ring gear for wear and determine needed action.
● Disassemble, inspect, clean and reassemble internal transmission/transaxle components.
● Inspect and service/replace bearings, hubs and seals, and shafts, yokes boots, and
universal/CV joints.
● Inspect and repair differential housings, pinion and ring gear, drive axles.
● Diagnose, test, adjust and/or replace electrical components of four-wheel or all-wheel
drive systems.
● Disassemble, service and reassemble transfer case components.

TEAU2405 - Suspension and Steering II

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2405

Course Number
2405

Course Hours
60

Course Credits
2

Description
The Suspension and Steering II course provides in-depth instruction on the theory, operation, and service of suspension and steering systems. Topics include shock absorbers, tie rods, ball joints, tires, MacPherson struts, conventional steering gearboxes, and rack-and-pinion systems. The course culminates with the ASE A4 Suspension and Steering certification exam.

Upon course completion, students will be able to:
• Demonstrate safe working habits and handling of hazardous materials.
• Diagnose and repair manual, power, and electronic steering systems.
• Inspect and service suspension components to ensure proper function and ride quality.
• Explain alignment principles and perform wheel alignment adjustments to OEM specs.
• Analyze tire and wheel issues and conduct necessary repairs or replacements.
• Perform ADAS calibrations and code-link resets following manufacturer procedures.

TEAU2505 - Brakes II

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2505

Course Number
2505

Course Hours
60

Course Credits
2

Description
The Brakes II course provides comprehensive instruction in the theory, operation, and repair of both mechanical and hydraulic components of automotive brake systems. It also includes the diagnosis and servicing of electronic controls associated with anti-lock braking systems (ABS). Students will conclude the course by taking the ASE A5 Brake Systems certification exam.

Upon course completion, students will be able to:
• Demonstrate proper safety procedures and practices when working in a shop environment, including
the correct handling and disposal of hazardous materials.
• Diagnose and repair hydraulic brake systems using industry-standard procedures and tools.
• Inspect, analyze, and service drum and disc brake systems to ensure proper function and safety.
• Evaluate the performance of power assist units and perform necessary repairs.
• Demonstrate correct procedures for servicing various types of wheel bearings.
• Diagnose, test, and repair anti-lock braking systems (ABS), ensuring electronic control integrity.
• Disable and enable high-voltage (HV) circuits safely to conduct electrical or mechanical repairs.
• Perform recalibration procedures for Advanced Driver Assistance Systems (ADAS) following
manufacturer specifications.
• Analyze stability control and ADAS braking systems to diagnose faults and execute effective repairs.

TEAU2610 - Electrical II

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2610

Course Number
2610

Course Hours
60

Course Credits
2

Description
The Electrical II course builds upon foundational concepts introduced in Electrical I, focusing on the principles and laws of automotive electrical theory and hands-on laboratory practices. Topics include oscilloscope testing, electronic systems, data communication network diagnostics, and basic testing and repair procedures for hybrid and electric vehicles. Emphasis is placed on diagnosing and repairing real-world faults in modern automotive electrical and electronic systems.

Upon course completion, students will be able to:
• Interpret wiring diagrams to diagnose electrical and electronic circuit faults.
• Test, measure, repair, and replace electrical components, connectors, terminals, and wiring; perform
soldering as needed.
• Inspect, service, and replace batteries; reinitialize or program peripheral equipment when required.
• Diagnose and repair starting and charging systems, including starters and alternators.
• Inspect, test, and replace interior and exterior lighting systems.
• Diagnose and repair instrument panel gauges and warning indicators; perform system resets when
necessary.
• Evaluate comfort, convenience, safety, security, restraint, wiper, and infotainment system operation;
update software as required.
• Apply safe practices when performing electrical system diagnostics and repairs to maintain vehicle
and technician safety.
• Retrieve, interpret, and document DTCs, OBD monitor status, and freeze-frame data; clear codes
and data as directed.
• Diagnose excessive key-off battery drain (parasitic draw) and determine appropriate corrective
action.
• Utilize oscilloscopes and graphing multimeters to measure circuit activity and analyze results.
• Diagnose and repair instrument clusters and driver information systems.
• Service body electrical systems in accordance with OEM procedures.
• Test and repair electrical systems using industry-standard diagnostic equipment.
• Identify, diagnose, and repair chassis electrical circuits, supplemental restraint systems (SRS), and
ABS-related electrical faults.

TEAU2655 - Electrical III

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2655

Course Number
2655

Course Hours
30

Course Credits
1

Description
The Electrical III course builds upon foundational concepts introduced in Electrical I and II, focusing on mastering the concepts and skills of diagnosing and repairing real-world faults in modern automotive electrical and electronic systems. The course concludes with the ASE A6 Electrical/Electronic Systems certification exam.

Upon course completion, students will be able to:
• Interpret wiring diagrams to diagnose electrical and electronic circuit faults.
• Test, measure, repair, and replace electrical components, connectors, terminals, and wiring; perform
soldering as needed.
• Service body electrical systems in accordance with OEM procedures.
• Test and repair electrical systems using industry-standard diagnostic equipment.
• Demonstrate knowledge and skills necessary to diagnose and repair all electronic/electrical systems
in cars, SUVs, and light duty trucks according to the ASE Electronic/Electrical Systems (A6)
standards.

TEAU2710 - Heating, Ventilation, and Air Conditioning (HVAC) II

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2710

Course Number
2710

Course Hours
60

Course Credits
2

Description
The Automotive HVAC II course is the second in a two-part series focused on heating, ventilation, and air
conditioning (HVAC) systems in cars and light trucks. Students will receive both theoretical instruction and
hands-on training in shop safety, electrical fundamentals, and mechanical and electronic HVAC
components. The course includes manufacturer-supported web-based training, ASE practice testing, and
a final exam. Students will also prepare for and complete the EPA Section 609 Certification exam and
take the ASE A7 certification exam at the conclusion of the course.

Upon course completion, students will be able to:
● Identify and discuss the function of the heating, ventilation, and air conditioning systems.
● Identify HVAC components and configurations.
● Perform A/C system performance tests, and determine needed actions.
● Inspect, remove and replace A/C systems.
● Inspect engine cooling and heating systems, hoses, pipes, control valves and heater core.
Repair or replace, as needed.
● Inspect HVAC ducts, doors, hoses, cabin filters, and outlets to determine needed action.
● Use and maintain refrigerant handling equipment.
● Identify A/C system refrigerants. Test, recover, evacuate, and charge the A/C system.
● Recycle, label and store refrigerant using proper processes.
● Diagnose and repair climate control fault codes.

TEAU2805 - Engine Performance II

General

Start Term
2026-2027

Subject Code
TEAU

Course Code
TEAU2805

Course Number
2805

Course Hours
90

Course Credits
3

Description
Students will identify and interpret various engine performance concerns and will determine needed
action. They will learn to correct camshaft timing, perform engine manifold pressure tests, and perform
tests on cylinders to determine needed adjustments and repairs. Students will also analyze computerized
controls to determine needed adjustments. Students will learn to repair and replace the ignition system,
fuel filter, exhaust systems, and turbocharger systems, as well as emission control systems. The ASE A8
certification exam will be taken at the conclusion of this course.

Upon course completion, students will be able to:
● Verify proper engine cooling system operation. Determine any needed actions.
● Verify correct Camshaft timing and adjust as necessary.
● Interpret engine performance concerns, including engine noises or vibration concerns.
● Perform engine manifold pressure test, cylinder power balance test, cylinder cranking and
running compression tests, and cylinder leaking tests. Determine needed action.
● Diagnose engine mechanical, electrical, electronic, fuel, and ignition concerns. Determine
needed action.
● Inspect, test, and adjust engine computerized controls.
● Reprogram or recalibrate the powertrain/engine control module.
● Inspect, test, and/or replace ignition components. Reprogram as necessary.
● Identify, test and repair components of the Ignition, Fuel, Air Induction and exhaust systems.
● Inspect and service the Emissions Control Systems.
● Utilize DSO lab scopes and GMM to diagnose complex drivability concerns.
● Utilize 5 gas analyzers to diagnose emissions component concerns.
● Utilize UV smoke detection to determine evaporative emission system concerns.

TECA1000 - Sanitation and Safety

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1000

Course Number
1000

Course Hours
30

Course Credits
1

Description
The Sanitation and Safety course introduces students to the importance of food safety and sanitation in the kitchen. Students learn how to recognize and prevent hazards that can cause food-borne illnesses. It covers how to store and handle food and equipment, including the use of sanitizers and prevention of cross contamination. The course introduces regulations related to food safety and sanitation.

Upon course completion, students will be able to:
• Identify microorganisms related to food spoilage and food-borne illnesses; describe their requirements and methods for growing.

• Demonstrate acceptable procedures when preparing potentially hazardous foods, including time/temperature principles.

• Demonstrate good personal hygiene and health habits.

• Identify the Hazard Analysis Critical Control Points (HAACP) during all food handling processes as a method for minimizing the risk of food-borne illness.

• Define appropriate responses to kitchen injuries.

TECA1010 - Introduction to Culinary Arts

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1010

Course Number
1010

Course Hours
30

Course Credits
1

Description
The Introduction to Culinary Arts course explores the careers available in the food service industry. Students learn how to identify, prepare, and combine ingredients for a well-balanced diet, as well as learn about nutrients and dietary substitutions for food allergies. Through hands-on activities, students practice the basic techniques used in cooking, with an emphasis on presentation. Students who complete this course will have a comprehensive understanding of the fundamentals behind a successful culinary career.

Upon course completion, students will be able to:
• Explain the hospitality industry's philosophy and its role in providing customer service.

• Examine professional career opportunities in the hospitality and foodservice industry.

• Explain the primary characteristics, functions, and major food sources for major nutrients.

• Identify common food allergies and identify appropriate substitutions.

• Examine the importance of sustainable practices in a foodservice operation.

TECA1020 - Culinary Math

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1020

Course Number
1020

Course Hours
30

Course Credits
1

Description
The Culinary Math course teaches students the basics of math as it relates to the culinary field. In this course, students learn how to cost recipes and develop yield formulas, as well as practice fraction skills. Through lectures, demonstrations, and in-class problem solving, students practice a variety of math principles such as fractions, decimals, and baker percentages needed for success in the culinary industry.

Upon course completion, students will be able to:
• Perform basic math functions to include fractions, weights, and measurements.

• Calculate the correct cost of a recipe, including the overall cost, individual cost, and menu sales price.

• Determine selling price based on calculated food costs using current technology.

• Modify recipes using a yield formula to increase and decrease quantities.

• Generate an overall food-cost percentage by examining inventory/ordering.

TECA1100 - Culinary I

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1100

Course Number
1100

Course Hours
90

Course Credits
3

Description
The Culinary I course introduces students to knife skills, and the tools and common equipment used in the kitchen. Students practice knife skills and classical cuts. The course provides instruction and practice for mise en place and organizing a kitchen, as well preparing different vegetables, grains, and starches. Basic herbs, spices, seasonings, and cooking techniques are also covered.

Upon course completion, students will be able to:
• Identify tools and equipment used in a professional kitchen and demonstrate proper handling of these items to include safety, sanitation, and storage.

• Demonstrate knife proficiency to achieve quality results when producing classical knife cuts used in various food preparation and cooking.

• Identify, describe, and utilize herbs, spices, and seasonings.

• Explain Mise en Place and demonstrate a combination of organizational skills, preparedness, and timing when it comes to seasonings and flavors when preparing and cooking food.

• Evaluate and analyze the preparation of a variety of vegetables, legumes, grains, and starches using a variety of cooking methods.

TECA1110 - Culinary Techniques

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1110

Course Number
1110

Course Hours
90

Course Credits
3

Description
The Culinary Techniques course teaches the essential techniques used in the professional kitchen. Students practice breaking down, preparing, and cooking poultry as well as fish. Fabrication methods for beef, lamb, and game are also taught.

Upon course completion, students will be able to:
• Execute proper poultry fabrication.

• Identify a variety of poultry and how they are used.

• Demonstrate cooking poultry using a variety of cooking methods.

• Identify and prepare a variety of fish, shellfish, and crustaceans.

• Identify and explain various fabrication methods for beef, lamb, pork, and game as available.

TECA1130 - Advanced Culinary Techniques

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1130

Course Number
1130

Course Hours
60

Course Credits
2

Description
The Advanced Culinary Techniques course builds upon the foundational techniques and principles covered in Culinary Techniques I and provides an in-depth exploration of advanced culinary concepts, techniques, and creative applications. Students will delve into the world of gastronomy, refining their culinary abilities and expanding their repertoire to achieve a higher level of excellence in the culinary arts.

Upon course completion, students will be able to:
• Contrast and evaluate complex culinary techniques to develop an advanced understanding of the principles behind them and determine the most appropriate technique for different ingredients and recipes.

• Create innovative, well-balanced menus that showcase their culinary expertise. Students will explore culinary trends, global cuisines, and fusion cooking, while incorporating sustainable practices and utilizing seasonal, local ingredients.

• Identify skills related to culinary business management, including menu costing and pricing, inventory management, and effective communication and leadership within a culinary team.

• Demonstrate proficient knife skills and precision in culinary preparations.

• Design and execute complex recipes that showcase mastery of culinary techniques.

• Critique and provide constructive feedback on the culinary creations of others based on advanced culinary techniques.

• Compare and contrast different culinary techniques and their effects on texture, flavor, and visual appeal.

• Engage with industry professionals through guest lectures, culinary competitions, and field trips to renowned culinary establishments. They will develop professional networks and gain insights into current industry practices and trends.

TECA1200 - Soups, Stocks, and Sauces

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1200

Course Number
1200

Course Hours
90

Course Credits
3

Description
The Soups, Stocks, and Sauces course introduces students to the fundamentals of cooking quality soups, stocks, and sauces. A variety of preparation techniques and ingredients are explored. Topics include understanding the importance of mirepoix, making soups, and thickening sauces.

Upon course completion, students will be able to:
• Explain the process for making classical stocks.

• Produce and use various methods for thickening.

• Produce a variety of classic soups.

• Produce the five classic mother sauces.

• Produce a variety of small sauces.

TECA1210 - World Cuisine

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1210

Course Number
1210

Course Hours
60

Course Credits
2

Description
This World Cuisine course teaches students about the vast array of ingredients and flavors found throughout the world. Demonstrations on some regional and international dishes are given by the instructor. Using the same cooking principles that students have learned, they are able to cook with different herbs and spices from around the country to create some regional dishes.

Upon course completion, students will be able to:
• Demonstrate a variety of cooking methods using specific ingredients from a certain region.

• Examine different regions and gain a basic knowledge of the history of the cuisine.

• Construct dishes using regional and international flavors.

• Explain how geography and culture affects the regional cuisine.

• Build visually appealing and balanced plates from specific regions from around the country and the world.

TECA1400 - Garde Manger - Cold Kitchen

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1400

Course Number
1400

Course Hours
90

Course Credits
3

Description
The Garde Manger-Cold Kitchen course teaches the fundamentals of the cold kitchen. Students gain an understanding of the pantry, sandwich and salad preparation and other common dishes found under Garde Manager skills.

Upon course completion, students will be able to:
• Identify and prepare a variety of salads.

• Identify and prepare a variety of dressings and emulsions.

• Identify and prepare an assortment of hot and cold sandwiches. • Explain the importance of food preservation techniques.

• Demonstrate proficiency using knives and other tools to achieve professional quality results working with vegetables, fruits, garnishes, and other decorative and edible purposes.

• Discuss the flow of goods in a foodservice operation including ordering, receiving, and storing.

• Define, describe, and explain the importance of a par system.

• Define FIFO and explain how it is used to effectively maintain proper storage procedures.

TECA1500 - Baking I

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1500

Course Number
1500

Course Hours
90

Course Credits
3

Description
The Baking I course teaches students basic bakery principles that are fundamental for success in any food industry career. The course outlines the basic ingredients and mixing methods that make up the majority of baked goods. Learn to create pie doughs and basic pastries. Mixing techniques along with the appropriate types of crusts to be used with their subsequent fillings are demonstrated. The correct equipment and baking procedures. This course also teaches basic quick breads, muffins, and cake mixing methods.

Upon course completion, students will be able to:
• Identify baking ingredients and explain their basic function in the formulation of baking and pastry recipes.

• Identify and demonstrate different mixing methods used in baking.

• Demonstrate proper use of baking scale and measuring of wet and dry ingredients.

• Identify and prepare various types of quick breads and yeast breads.

• Identify and prepare various pies and cookies. • Prepare a variety of ca

TECA1600 - Baking II

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1600

Course Number
1600

Course Hours
60

Course Credits
2

Description
The Baking II course expands the students knowledge and skills and prepares them to work in a retail or industrial bakery. Students practice creating a variety of baked and dessert goods. Advanced bakery techniques are shared and practiced.

Upon course completion, students will be able to:
• Construct pies with appropriate crust and filling while being able to differentiate the filling methods.

• Produce puff and blitz pastry dough using proper roll-in and fold-in techniques.

• Cook sugar syrup to the seven different stages, avoiding crystallization.

• Produce pastry cream and baked custard.

• Examine the differences between a baked pudding and starch-thickened pudding.

TECA1800 - Job Seeking Skills

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1800

Course Number
1800

Course Hours
30

Course Credits
1

Description
Job Seeking Skills explores how to prepare and successfully apply to potential career opportunities. During this course, you will be presented with essential job-seeking skills needed to find gainful employment.

Upon course completion, students will be able to:
• Create a professional resume, cover letter and reference sheet.

• Utilize online tools successfully to create an e-portfolio.

• Expand and develop networking skills.

• Utilize online resources effectively to find job openings.

• Demonstrate the ability to fill out job applications in a professional manner.

• Perform successfully in a job interview.

• Demonstrate appropriate follow-up procedures.

TECA1810 - Front of House Restaurant Management

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1810

Course Number
1810

Course Hours
30

Course Credits
1

Description
The Front of House Restaurant Management course is designed to provide students with a comprehensive understanding of the key principles and practices involved in managing the front of a restaurant. This course will cover various aspects, including customer service, staff management, operations, and the overall guest experience. Students will develop the necessary skills and knowledge to excel in a front of house management role and contribute to the success of a restaurant.

Upon course completion, students will be able to:
• Explain the responsibilities and duties of front of house staff and the importance of their role in delivering exceptional guest experiences.

• Describe how to recruit, train, and manage front of house staff, including servers, hosts, and bartenders.

• Identify effective customer service techniques including communication skills, conflict resolution, and problem-solving, to provide outstanding service and ensure customer satisfaction.

• Devise and execute strategies for resolving customer complaints and handling challenging situations in a professional manner.

• Describe strategies for handling reservations, managing table assignments, and optimizing seating arrangements to maximize restaurant capacity and enhance the guest experience.

• Explain the importance of teamwork and motivation in creating a positive work environment.

• Demonstrate effective communication skills in managing and coordinating front of house staff and activities.

• Critique and provide constructive feedback on front-of-house operations, including service standards, staff performance, and overall guest experience.

• Develop strategies to handle guest complaints and feedback professionally and efficiently, aiming to resolve issues and ensure guest satisfaction.

• Practice basic financial concepts relevant to front of house operations, including budgeting, cost control, pricing strategies, and revenue management.

TECA1820 - Nutrition

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1820

Course Number
1820

Course Hours
30

Course Credits
1

Description
In the Nutrition course, students will explore the intersection of culinary arts and nutrition science. Through a blend of theory, practical cooking demonstrations, and interactive discussions, students will learn about the impact of food on our bodies, delve into the principles of balanced nutrition, and explore techniques for incorporating wholesome ingredients into culinary creations.

Upon course completion, students will be able to:
• Discuss the fundamentals of nutrition and the key nutrients bodies require, including carbohydrates, proteins, fats, vitamins, minerals, and dietary fiber.

• Identify the relationship between nutrition and various health conditions, including heart disease, diabetes, obesity, and food allergies and discover how dietary choices can help prevent or manage these conditions.

• Develop essential skills in preparing healthy meals, including healthy techniques for steaming, grilling, roasting, sautéing, and baking.

• Utilize a variety of whole foods, emphasizing the importance of color, texture, and flavor while ensuring a balance of macronutrients and adequate intake of essential vitamins and minerals.

• Evaluate and interpret food labels and nutrition information to make informed choices about food products.

• Evaluate and discuss the socio-cultural, economic, and environmental factors that influence food choices and nutrition.

TECA1920 - Culinary Arts Externship

General

Start Term
2026-2027

Subject Code
TECA

Course Code
TECA1920

Course Number
1920

Course Hours
90

Course Credits
2

Description
Externship students will have a work-based learning experience in a foodservice environment under the supervision of a pre-approved chef. Food service will involve at least 51 percent cooking from scratch.

Upon course completion, students will be able to:
• Identify opportunities to learn new skills.

• Demonstrate working knowledge of learned skills.

• Execute proper sanitation and professionalism.

• Perform the assigned functions of the establishment.

• Explain the learning gained from this experience.

TECD1100 - Commercial Driver's License - Class A

General

Start Term
2026-2027

Subject Code
TECD

Course Code
TECD1100

Course Number
1100

Course Hours
180

Course Credits
6

Description
The Commercial Drivers License - Class A (CDL) program prepares students with the skills and knowledge they need to join the professional driving industry. This course fulfills Entry Level Driver Training requirements for CDL training in accordance with Part 380 of the Federal Motor Carriers Safety Regulations.

Upon course completion, students will be able to:
• Demonstrate basic truck operating procedures.

• Demonstrate safe operating procedures.

• Learn and practice advanced operating procedures.

• Practice vehicle inspections (pre/post-trip).

• Review non-driving activities.

TECF1011 - Blueprint Reading/Fabrication Math

General

Start Term
2026-2027

Subject Code
TECF

Course Code
TECF1011

Course Number
1011

Course Hours
90

Course Credits
3

Description
Blueprint Reading is designed to help students recognize the components of a blueprint and understand how to
fabricate by reading blueprints. Fabrication Math is taught in an interactive format provided by the American Welding
Society. It is designed to teach students the mathematical input that is required to properly and efficiently fabricate.
This course will cover the algebra and geometry associated with fabrication and provide real-world applications.

Upon course completion, students will be able to:
Objectives:

• Differentiate between varying types of blueprints and demonstrate how to read each type.

• Display knowledge of blueprints, based on the current units.

• Interact with real blueprint examples and demonstrate how to efficiently read them, and fabricate to the standards of

the blueprints, and any associated code.

• Demonstrate efficient and effective methods of completing a build by planning a series of tasks shown on a

blueprint.

TECF1012 - Introduction to Cutting and Welding

General

Start Term
2026-2027

Subject Code
TECF

Course Code
TECF1012

Course Number
1012

Course Hours
90

Course Credits
3

Description
Introduction to Cutting and Welding is designed to equip students with fundamental skills in operating and utilizing
welding equipment, as well as performing advanced cutting processes. The course introduces students to the
functions of welding machines and teaches them how to produce structurally sound tack welds. Additionally, students
will learn to prepare and fabricate basic weld joints, laying the foundation for more advanced welding techniques.

Upon course completion, students will be able to:
• Produce adequate oxy-fuel, plasma-arc, and carbon-arc cuts.

• Produce adequate welds with a variety of welding processes.

• Test weld soundness by means of destructive testing according to industry standards.

TECF1025 - Structural Fabrication I

General

Start Term
2026-2027

Subject Code
TECF

Course Code
TECF1025

Course Number
1025

Course Hours
90

Course Credits
3

Description
This course is designed to teach students how to safely and effectively operate a variety of tools and machines.
Students will understand the safe operating procedures of heavy equipment such as sheet benders, shears, pipe
threaders, magnetic drill presses, mechanized track systems, and other common fabrication equipment. Additionally,
Students will learn about structural material shapes, how to fabricate to structural code, and methods of steel erection
used in the industry today. This course will involve and implement practices from previous courses, to help students
understand the process of structural steel construction. They will be trained to use a wide variety of machinery and
tools to successfully fabricate structural steel components.

Upon course completion, students will be able to:
Objectives:

• Perform start-up and operating procedures safely.

• Select the appropriate tool/machine for the preferred outcome.

• Use tools/machines proficiently.

• Demonstrate proper use of tools and equipment used to fabricate in the structural industry.

• Apply the process of structural design to fabrication and to erection.

• Fabricate structural steel components based off of engineered drawings and blueprints.

• Test for competency on structural

TECF1035 - Structural Fabrication II

General

Start Term
2026-2027

Subject Code
TECF

Course Code
TECF1035

Course Number
1035

Course Hours
60

Course Credits
2

Description
In this course, students will learn about structural material shapes, how to fabricate to structural code, and methods
of steel erection used in the industry today. This course will involve and implement practices from previous courses,
to help students understand the process of structural steel construction. They will be trained to use a wide variety of
machinery and tools to successfully fabricate structural steel components.

Upon course completion, students will be able to:
Objectives:

• Demonstrate proper use of tools and equipment used to fabricate in the structural industry.

• Apply the process of structural design to fabrication and to erection.

• Fabricate structural steel components based off of engineered drawings and blueprints.

• Test for competency on structural shapes, methods, and common practices, as well as safety in handling materials

and equipment maintenance.

TECF1050 - Crane Rigging, Safety, and Operation

General

Start Term
2026-2027

Subject Code
TECF

Course Code
TECF1050

Course Number
1050

Course Hours
60

Course Credits
2

Description
This course will teach students how to safely operate cranes used to lift and move very heavy or large materials.
They will gain hands-on experience and apply the knowledge and mathematical skills involved with operating an
overhead crane. They will also learn the hazards of operating a crane, and how to prevent these risks to operate
safely at all times.

Upon course completion, students will be able to:
● Calculate weight, size, and shape to perform proper lifts using the crane.

● Demonstrate safety practices to prevent injury or damages when operating an overhead crane.

● Safely lift and move objects of extreme weight and awkward shapes.

● Apply safety practices, mathematics, and proper techniques to successfully perform varying types of movements,

lifts, or rolls.

TECF1072 - Pipe Fitting I

General

Start Term
2026-2027

Subject Code
TECF

Course Code
TECF1072

Course Number
1072

Course Hours
90

Course Credits
3

Description
This course will teach students about the process of pipe fabrication. This will include learning about the different pipe
materials and how to identify them. They will also learn how to use and maintain tools and equipment that is used in a
pipe fabrication industry setting. Techniques and practices of pipefitting will be implemented.

Upon course completion, students will be able to:
Objectives:

• Demonstrate safe practices when working in a pipe-fitting work environment.

• Utilize and maintain pipe-fitting equipment and tools in a safe and efficient manner.

• Demonstrate knowledge of the different materials used in this field of work.

• Fabricate pipe projects (based on engineered drawings) that are held to the same standards and code as work

done in the industry.

• Test for competency on pipe shapes, fitting methods, and common practices as well as safety in handling materials

and equipment maintenance.

TECF1075 - Pipe Fitting II

General

Start Term
2026-2027

Subject Code
TECF

Course Code
TECF1075

Course Number
1075

Course Hours
60

Course Credits
2

Description
This course will continue instruction in the process of pipe fabrication. Students will use and maintain tools and
equipment common in the pipe fabrication industry. Techniques and practices of pipefitting will be implemented.

Upon course completion, students will be able to:
Objectives:

• Demonstrate safe practices when working in a pipe-fitting work environment.

• Utilize and maintain pipe-fitting equipment and tools in a safe and efficient manner.

• Fabricate pipe projects (based on engineered drawings) that are held to the same standards and code as work

done in the industry.

• Test for competency on pipe shapes, fitting methods, and common practices as well as safety in handling materials

and equipment maintenance.

TECF1081 - Final Project

General

Start Term
2026-2027

Subject Code
TECF

Course Code
TECF1081

Course Number
1081

Course Hours
90

Course Credits
3

Description
This course will teach students introductory methods of design for 3-dimensional projects using the CAD software
SolidWorks. It allows students to take a combined variety of learned knowledge and skills and apply them to a project
of their choice. Students will have the opportunity to design, finalize, and fabricate a project of their own. This will help
students understand how all components of fabrication come together and allow them to fabricate complex items
while maintaining industrial codes and standards.

Upon course completion, students will be able to:
• Design a 3-dimensional picture for fabrication.

• Demonstrate various sketching methods that are used in the fabrication industry.

• Test to ensure that designs and drawings are made to industry standards

• Design and submit drawings of a personal choice project. Drawings will be accurate, and sufficiently detailed in

order to continue to fabrication.

• Gather materials and cut them to dimensional tolerances.

• Assemble project, tack-weld and prep for welding.

• Weld project, inspection will follow to ensure that proper practices and procedures were applied.

TECI1010 - Civil Construction Fundamentals

General

Start Term
2026-2027

Subject Code
TECI

Course Code
TECI1010

Course Number
1010

Course Hours
120

Course Credits
4

Description
This comprehensive course is designed to provide students with a foundational understanding of civil construction processes, equipment, safety protocols, and environmental considerations. From the initial bid to project hand-off, students will delve into the intricacies of construction blueprint reading, measurement techniques, and soil mechanics. Real-world application through site visits and a culminating capstone project will solidify their knowledge and skills for successful entry into the heavy civil construction industry.

Upon course completion, students will be able to:
• Explore the fundamental concepts and practices within the heavy civil construction industry.

• Identify the standard processes involved from project bidding to final hand-off.

• Identify the functions of various heavy equipment commonly used in construction projects.

• Explain the environmental factors affecting construction projects.

• Integrate sustainable practices into construction planning and execution.

• Demonstrate safety throughout all aspects of heavy civil construction.

• Interpret blueprints including recognizing symbols and measurements.

• Perform depth and slope calculations, read grade stakes, and review GPS data. • Interpret and explain the basics of geotechnical reports.

• Identify sand and gravel aggregate types.

• Explain proctor and moisture requirements for soil compactions.

• Describe asphalt paving techniques, including sand and aggregate requirements.

• Follow safety protocols associated with asphalt paving.

• Perform practical site visits, focusing on earthwork, excavation, and material transportation.

• Demonstrate ability to maneuver heavy equipment utilizing heavy equipment simulators and emphasizing safety protocols.

• Demonstrate basic utility layout principles.

• Explain load requirements for utilities.

• Demonstrate trenching and excavation with a focus on safety. Prepare a comprehensive capstone project based on a module from prior learning, or alternatively, utilize on-the-job projects to meet capstone project requirements.

TECS1005 - Design Basics

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS1005

Course Number
1005

Course Hours
90

Course Credits
3

Description
This course presents basic practices, demonstrations of technical procedures and practical application of cosmetology skills. Students learn the basics of infection control with safety decontamination, and sanitation; properties of the hair and scalp; analysis of the hair and scalp, principles of hair design; shampooing, conditioning, draping, hair and scalp treatments, haircutting; hairstyling and to identify the responsibilities of the cosmetologist. Critical thinking skills will be developed.

Upon course completion, students will be able to:
• Explain and demonstrate the differences between cleaning, disinfecting, and sterilizing salon tools, implements, and equipment.

• Demonstrate shampooing, draping, and scalp treatments.

• Demonstrate different types of hairstyling techniques, including wet and thermal styling.

• Demonstrate the basics of haircutting.

• Demonstrate and explain other theory, practical application, and procedures associated with Cosmetology/Master Hair design/Master barbering basics.

• Demonstrate and learn practical applications while working on course-related content.

• Explain and demonstrate blood exposure procedures.

• Explain and show how to use EPA registration and Safety Data Sheets.

TECS1020 - Barbering Basics

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS1020

Course Number
1020

Course Hours
60

Course Credits
2

Description
This course covers barbering theory for the following subjects: history of barbering, tools and equipment, professional straight razor shaves, facial hair design, and haircutting and styling techniques for short hair. With instruction, students perform demonstrations and practical applications for each subject. Students demonstrate competency through assignments, testing and practical applications.

Upon course completion, students will be able to:
• Explain the history of barbering including modern tools and implements used by barbers today.

• Demonstrate proper safety and sanitation procedures.

• Perform barbering skills related to facial hair design, haircutting and styling for short hair, and straight razor shaving services.

• Demonstrate proper use of clippers, scissors, straight blade razors, and other barbering implements.

• Demonstrate and learn practical applications while working on course-related content.

• Demonstrate and explain other theory, practical application, and procedures associated with barbering basics.

• Demonstrate beard and mustache cutting and trimming.

TECS1031 - Chemical Services Basics

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS1031

Course Number
1031

Course Hours
90

Course Credits
3

Description
Chemical Services Basics covers chemical relaxer theory and techniques, color theory and techniques, and perming theory and techniques. Students receive instruction, perform demonstrations, and perform practical applications for each of these basic cosmetology and hair design related chemical services. Theory for each subject is covered and students are required to demonstrate competency through practical application, assignments, and testing.

Upon course completion, students will be able to:
• Define the law of color, complementary colors, the color wheel, color levels, color tones, and neutralizing tones.

• Demonstrate proper mixing and application of different hair coloring and hair lightening services.

• Demonstrate chemical relaxer techniques.

• Demonstrate coloring and color placement methods including Balayage, foil placements and color corrections.

• Demonstrate the different methods of permanent waving and wrapping.

• Explain the proper procedures in the application of chemicals associated with permanent waving and chemical relaxers.

• Demonstrate and learn practical applications while working on course-related content.

• Demonstrate and explain other theory, practical application, and procedures associated with chemical services.

TECS1070 - Advanced Training and Skills

General

Start Term
2025-2026

Subject Code
TECS

Course Code
TECS1070

Course Number
1070

Course Hours
90

Course Credits
3

Description
In the Advanced Training and Skills course, students receive advanced training and education in braiding, hair extensions, wigs, haircutting, hair coloring, and hair styling. This course builds on the knowledge and skills learned in the basic and intermediate courses. Students work to improve timing and skill level on services performed in the clinical setting. Additionally, students learn and practice applications of basic esthetics and advanced nail techniques.

Upon course completion, students will be able to:
• Analyze skin including recognizing and describing various contraindications for facial and hair removal services.

• Explain facial treatments including galvanic, heat lamps, high frequency, facial packs, facial masks, limited aroma therapy, limited exfoliation.

• Demonstrate proper facial services and how to apply facial treatments.

• Describe limited exfoliation applications and techniques to include re-exfoliation, post-exfoliation consultation considerations, and chemical reactions.

• Demonstrate massage techniques for the face and neck and basic facial services.

• Demonstrate temporary hair removal techniques typically used in the salon.

• Perform or explain the procedures for artificial eyelash applications, arching of the eyebrows, and tinting of the eyelashes and eyebrows.

• Explain and demonstrate correct sanitation procedures for hand and foot nail care.

• Demonstrate proper manicure and pedicure procedures.

• Perform proper UV gel procedures.

• Describe the procedure for applying acrylic nail enhancements.

• Demonstrate and learn practical applications while working on course-related content.

• Demonstrate and explain other theory, practical application, and procedures associated with esthetics and nail basics.

TECS1080 - Esthetics Basics

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS1080

Course Number
1080

Course Hours
60

Course Credits
2

Description
This course presents basic esthetic service practices, theory, instruction, demonstrations of technical procedures, and practical application of cosmetology esthetic skills. Students learn hair removal, facials, skincare procedures on the face or body, and makeup procedures. Students demonstrate competency with assignments, tests, and practical skill demonstration.

Upon course completion, students will be able to:
• Analyze skin including recognizing and describing various contraindications for facial and hair removal services.

• Explain facial treatments including galvanic, heat lamps, high frequency, facial packs, facial masks, limited aroma therapy, limited exfoliation.

• Demonstrate proper facial services such as cleansing, stimulating, manipulating, exercising, applying oils, antiseptics, clays or masks, and manually extractions, and manual hair removal.

• Describe limited exfoliation applications and techniques to include re-exfoliation, post-exfoliation consultation considerations, and chemical reactions.

• Demonstrate massage techniques for the face and neck and basic facial services.

• Explain and perform the procedures for arching of the eyebrows, and tinting of the eyelashes or eyebrows, perming of the eyelashes and eyebrows.

• Explain and demonstrate correct sanitation.

TECS1090 - Nails Basics

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS1090

Course Number
1090

Course Hours
60

Course Credits
2

Description
Nails Basics covers basic nail service practices, theory, instruction, and demonstration of technical procedures, including the practical application of nail enhancements and routine nail care. Students also learn how to perform manicures, pedicures, gel polishes, nail care, nail enhancements and nail removal.
Students demonstrate competency with assignments, tests, and practical skills.

Upon course completion, students will be able to:
• Explain and demonstrate correct sanitation procedures for hand and foot nail care.

• Demonstrate proper manicure and pedicure procedures.

• Perform proper UV gel procedures.

• Describe the procedure for applying acrylic and hard gel nail enhancements.

• Perform application and removal of sculptured or artificial nails.

• Demonstrate practical applications while working on course-related content.

• Demonstrate and explain other theory, practical application, and procedures associated with esthetics and nail basics.

TECS2901 - Cosmetology/Barbering Clinical I

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS2901

Course Number
2901

Course Hours
135

Course Credits
3

Description
In the Cosmetology/Barbering Clinical I course, students begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses on clients. This course helps prepare students for client work and building a clientele.

Upon course completion, students will be able to:
• Demonstrate salon processes and etiquette.

• Communicate effectively with salon guests and coworkers.

• Demonstrate sanitation procedures necessary for the health & safety of clients and self.

• Perform cosmetology services on public guests.

• Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

TECS2912 - Clinical II

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS2912

Course Number
2912

Course Hours
135

Course Credits
3

Description
In the Clinical II Course; students begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform on clients the services learned in previous courses. This course helps prepare them for client work and building a clientele.

Upon course completion, students will be able to:
• Demonstrate salon processes and etiquette.

• Communicate effectively with salon guests and coworkers.

• Demonstrate sanitation procedures necessary for the health & safety of clients and self.

• Perform cosmetology services on public guests.

• Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

TECS2915 - Professional Skills

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS2915

Course Number
2915

Course Hours
90

Course Credits
3

Description
In the Professional Skills course, students gain advanced skills and knowledge to prepare for a successful career in the Cosmetology, Hair Design, and Barbering industry. It emphasizes professionalism, career readiness, and technical skill enhancement. Students explore career opportunities in the industry, develop life skills, and understand the importance of maintaining a professional image. Emphasis is placed on communication, client relations, business, portfolio and teamwork in a salon environment.

The course covers Utah laws, rules, and licensing requirements. Students demonstrate competency through assignments, tests, and practical skill assessments. Students receive advanced training in braiding, hair extensions, wigs, haircutting, hairstyling, and related techniques. This course builds upon previous foundational learning.

Upon course completion, students will be able to:
• Explain Utah state laws, rules, and malpractice procedures.

• Describe and practice procedures required to pass the state board written and practical examinations.

• Identify the components of a professional résumé, cover letter, and portfolio.

• Demonstrate professional standards in appearance, wellness, and presentation

• Apply effective communication skills and conduct client consultations in a salon environment.

• Explore salon ownership requirements and different compensation models for salon professionals.

• Demonstrate clinical competencies in a variety of advanced service applications.

• Practice and refine previously learned skills, with a focus on improving speed and proficiency.

• Perform advanced techniques in braiding, hair extensions, and wig applications.

• Demonstrate skill and timing in haircutting, hair coloring, and hairstyling methods.

• Build confidence and readiness for professional work in the clinical environment.

TECS2921 - Clinical VI B

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS2921

Course Number
2921

Course Hours
125

Course Credits
2

Description
This course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Upon course completion, students will be able to:
• Demonstrate salon processes and etiquette.

• Communicate effectively with salon guests and coworkers

• Demonstrate sanitation procedures necessary for the health & safety of clients and self.

• Perform services on public guests.

• Demonstrate other theories, practical applications, and procedures associated with the clinical floor.

TECS2922 - Clinical III

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS2922

Course Number
2922

Course Hours
135

Course Credits
3

Description
In the Clinical III Course; students begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform on clients the services learned in previous courses. This course helps prepare them for client work and building a clientele.

Upon course completion, students will be able to:
• Demonstrate salon processes and etiquette.

• Communicate effectively with salon guests and coworkers.

• Demonstrate sanitation procedures necessary for the health & safety of clients and self.

• Perform cosmetology services on public guests.

• Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

TECS2931 - Clinical IV

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS2931

Course Number
2931

Course Hours
135

Course Credits
3

Description
In the Clinical IV Course; students begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform on clients the services learned in previous courses. This course helps prepare them for client work and building a clientele.

Upon course completion, students will be able to:
• Demonstrate salon processes and etiquette.

• Communicate effectively with salon guests and coworkers.

• Demonstrate sanitation procedures necessary for the health and safety of clients and self.

• Perform cosmetology services on public guests.

• Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

TECS2943 - Clinical V

General

Start Term
2026-2027

Subject Code
TECS

Course Code
TECS2943

Course Number
2943

Course Hours
135

Course Credits
3

Description
In the Clinical V Course; students begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform on clients the services learned in previous courses. This course helps prepare them for client work and building a clientele.

Upon course completion, students will be able to:
• Demonstrate salon processes and etiquette.

• Communicate effectively with salon guests and coworkers.

• Demonstrate sanitation procedures necessary for the health and safety of clients and self.

• Perform cosmetology services on public guests.

• Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

TEDA1000 - Introduction to Data Analytics

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1000

Course Number
1000

Course Hours
30

Course Credits
1

Description
This course covers the basics of data analytics, utilizing spreadsheets, statistics, and exploratory data analysis. Students journey through the data analytics project cycle by defining the problem, preparing the information, analyzing the data, visualizing insights and presenting results. As they engage in this course, students organically develop problem-solving acumen and hone critical thinking skills essential for data analysis.

Upon course completion, students will be able to:
• Describe the data analytics project cycle.

• Explain the role of spreadsheets for practical data analysis.

• Practice gathering, cleaning, and examining data.

• Calculate descriptive statistics for numerical and categorical variables.

• Illustrate meaningful results and communicate them effectively through informative visualizations and presentations to peers.

TEDA1011 - Spreadsheet Fundamentals

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1011

Course Number
1011

Course Hours
60

Course Credits
2

Description
This course teaches essential spreadsheet skills for data analysis while integrating basic statistical principles. Students become proficient in spreadsheet functionalities such as data entry, formatting, and formula use, progressing to techniques like identifying outliers, employing descriptive statistics, examining relationships between variables, and harnessing the power of pivot tables for comprehensive data summarization and analysis using spreadsheets. Through practical exercises and real-world case studies, students learn to navigate spreadsheet software effectively, analyze data sets, and derive meaningful insights, culminating in the ability to apply statistical concepts within spreadsheet environments for informed decision-making and analysis.

Upon course completion, students will be able to:
• Recognize basic functions and tools within a spreadsheet environment.

• Develop analytical reasoning by identifying and addressing data challenges methodically, applying statistical techniques to derive meaningful conclusions.

• Describe how to view, enter and edit data, including moving, copying and filling data.

• Demonstrate fundamental statistical concepts within spreadsheets, calculating descriptive statistics, and quantifying relationships between variables.

TEDA1022 - SQL Fundamentals

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1022

Course Number
1022

Course Hours
60

Course Credits
2

Description
This course provides a comprehensive understanding of SQL's foundational principles tailored for data analysis within relational databases. Students develop expertise in constructing SQL queries for data retrieval, focusing on pulling, filtering, aggregating, and joining datasets. Through hands-on projects, they'll apply these skills, learning to extract, filter, and manipulate data effectively, gaining a solid foundation in SQL's role within the realm of data analysis.

Upon course completion, students will be able to:
• Discuss relational database design layout within a DBMS environment.

• Identify various parts and purposes of SQL queries and keywords.

• Interpret the anticipated output of query requests based on the SQL statement.

• Construct simple SQL queries to pull and filter data in a relational database.

• Execute complex SQL queries to aggregate and join data from multiple tables.

TEDA1031 - Python Fundamentals

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1031

Course Number
1031

Course Hours
90

Course Credits
3

Description
This course teaches fundamental Python skills tailored for data analysis, encompassing Python's core syntax, data structures, and procedural programming techniques. Students perform data cleaning, data manipulation, and exploratory analysis using industry-standard libraries, fostering expertise in managing, analyzing, and visualizing data. Through practical projects, learners refine their abilities, gaining confidence to proficiently handle, analyze, and present data using Python. This course cultivates real-world application skills and sharpens proficiency in data project documentation, serving as a strong foundation for future data science endeavors.

Upon course completion, students will be able to:
• Describe core Python syntax, data structures, and procedural programming concepts within a Python Integrated Development Environment (IDE).

• Identify specific features and functionalities of the Python IDE, becoming proficient in executing tasks and optimizing workflows within the development environment.

• Clean, manipulate, and analyze data using industry-standard libraries within a Python IDE.

• Illustrate statistical analysis techniques by incorporating loops, joins, functions and decision-making skills.

• Characterize relevant business conclusions as revealed by the data using plots, data frames and aggregation.

• Document and present the project's findings using standard documentation practices.

TEDA1036 - Introduction to Machine Learning

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1036

Course Number
1036

Course Hours
60

Course Credits
2

Description
This course teaches the fundamental principles and practical applications of machine learning for data analysis. Students study essential topics including data preprocessing, exploratory data analysis, and the core concepts of supervised and unsupervised learning. Participants perform regression, classification, and clustering techniques using real-world data. This lays the groundwork to start building machine learning pipelines and approaching data science tasks.

Upon course completion, students will be able to:
• Produce datasets for machine learning through preprocessing data techniques in Python such as handling missing data, outlier treatment and encoding categorical variables.

• Distinguish between supervised and unsupervised learning techniques, like regression, classification, and clustering, using Python.

• Construct machine learning models using Python libraries with real-world datasets.

• Evaluate machine learning models using various validation techniques in Python to gauge their performance and potential limitations.

• Execute end-to-end machine learning projects in Python, encompassing data preprocessing, model construction, evaluation, and drawing insights.

TEDA1038 - Python II

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1038

Course Number
1038

Course Hours
30

Course Credits
1

Description
Python II deepens practical programming for data work. Students develop skills in writing reusable, well-tested Python code, working with larger datasets, collaboration with version control, and automating common analytics tasks. Students practice data wrangling with pandas and NumPy, consume web data via APIs and scraping, connect to SQL databases, and produce clear visualizations and reports.

Upon course completion, students will be able to:
• Design and use classes to organize analysis code and encapsulate behavior.

• Write reliable programs with structured error handling and logging.

• Perform advanced data wrangling in pandas and NumPy, including joins/merges, group by operations, reshaping, and vectorization for performance.

• Acquire external data by calling REST APIs and performing basic, ethical web scraping.

• Automate tasks with scripts and simple command-line interfaces; schedule or parameterize runs.

TEDA1051 - Data Visualization Fundamentals

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1051

Course Number
1051

Course Hours
60

Course Credits
2

Description
This course teaches students the core principles of data visualization essential for data analysis. With a focus on practical application using industry-standard tools, participants learn to translate complex datasets into compelling visual stories. Covering visualization design fundamentals, data cleansing, exploration of interactive dashboards, and consistent ethical considerations, learners cultivate aptitude essential for creating impactful visualizations. Through hands-on projects, individuals refine their skills, gaining the ability to extract insights effectively and drive informed decision-making across diverse industries.

Upon course completion, students will be able to:
• Summarize navigation and tools required to create dashboards in the visualization tool.

• Demonstrate fundamental data cleansing techniques when importing data into the visualization tool, encompassing handling missing values, outliers, and ensuring a standardized data structure.

• Produce a variety of visualizations incorporating bar charts, scatter plots and more within the visualization program.

• Layout visualizations using design best practices ensuring clarity and engagement in visual communication.

TEDA1052 - Data Visualization Fundamentals II

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1052

Course Number
1052

Course Hours
30

Course Credits
1

Description
This course teaches students the core principles of data visualization essential for data analysis. With a focus on practical application using industry-standard tools, participants learn to translate complex datasets into compelling visual stories. Covering visualization design fundamentals, data cleansing, exploration of interactive dashboards, and consistent ethical considerations, learners cultivate aptitude essential for creating impactful visualizations. Through hands-on projects, individuals refine their skills, gaining the ability to extract insights effectively and drive informed decision-making across diverse industries.

Upon course completion, students will be able to:
• Implement interactive features and design dashboards or reports that facilitate user engagement, enabling intuitive exploration and understanding of data.

• Extract meaningful insights and build visualizations to solve real-world data challenges within the tool to address specific business or analytical needs.

• Ensure ethical data handling and transparent communication of insights, maintaining accuracy and adhering to ethical standards while conveying findings to diverse stakeholders.

TEDA1071 - R Fundamentals

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1071

Course Number
1071

Course Hours
60

Course Credits
2

Description
This course equips students with essential R programming skills for effective data analysis. Beginning with foundational R syntax and data structures, learners progress to topics such as data cleaning, data manipulation, and exploratory data analysis through relevant statistical packages. Engaging in hands-on projects, students become capable in data handling, analysis, and visualization techniques using an IDE.

Upon course completion, students will be able to:
• Describe core R syntax, data structures and programming concepts.

• Identify specific features and functionalities of the R IDE.

• Clean, manipulate, and analyze data using industry-standard libraries within an R learning environment.

• Practice incorporating statistical analysis techniques including calculating descriptive statistics, performing hypothesis tests and linear regression.

• Articulate and present the project’s analysis and findings effectively using data visualization skills and clear documentation.

TEDA1090 - Introduction to Database Design

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1090

Course Number
1090

Course Hours
60

Course Credits
2

Description
This course familiarizes students with practical techniques in designing, constructing, and managing database systems. Through exploration of database design, development, and management, students explore strategies that optimize stored data, ensuring its integrity and maximizing its value. By learning these skills, students gain proficiency in creating, implementing, and maintaining databases crucial for efficient information systems.

Upon course completion, students will be able to:
• Apply essential database design principles, including normalization, within a DBMS environment on a sample database.

• Implement, manage, and modify databases using SQL in a DBMS, ensuring data integrity and structure.

• Modify database efficiency within a DBMS by refining queries and structures.

• Troubleshoot and address database-related issues within a DBMS setting.

TEDA1590 - Introduction to Statistical Process Control

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1590

Course Number
1590

Course Hours
30

Course Credits
1

Description
Introduction to Semiconductor Manufacturing is a course for students interested in semiconductor careers, as well as those who wish to gain an overview of basic semiconductor processing. Semiconductor focused students will gain basic knowledge of overall process flow and logic gate device functionality. Course material includes definition of a semiconductor, n-type and p-type doping, geometries and units of measure, basic semiconductor manufacturing, process module overviews, clean room overview and protocols, and automated material handling system (AMHS) overview.

Upon course completion, students will be able to:
• Define and use basic statistics such as mean, median, standard deviation, normal (bell curve) vs. skewed distributions.

• Identify differences between control and spec limits.

• Process capability.

TEDA1840 - Introduction to Semiconductor Manufacturing

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA1840

Course Number
1840

Course Hours
30

Course Credits
1

Description
Statistical Process Control is an introduction to statistical process control (SPC) for students interested in semiconductor careers, as well as those who wish to gain an overview of basic SPC practices. Semiconductor focused students will gain basic knowledge to maintain control of critical manufacturing processes. Course material includes overview and benefit, common cause vs. special cause variation, distributions and histograms, basic statistics, process capability, standard deviation, sigma, and control chart basics.

Upon course completion, students will be able to:
• Identify semiconductor basics.

• Define N-type, P-type doping, PN junction.

• Identify MOSFET/CMOS structure and logic gate function.

TEDA2051 - Data Analytics Capstone Project

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA2051

Course Number
2051

Course Hours
60

Course Credits
2

Description
This course teaches students to harness their data analytics skills by undertaking a comprehensive capstone project. Using various tools and techniques learned throughout the course of this program, students demonstrate their ability to identify business questions, collect, clean, and analyze data. The culmination of this project involves presenting their meaningful insights and findings through a visualization tool, class presentation and written report.

Upon course completion, students will be able to:
• Conduct an analysis encompassing the entire data analytics project cycle, from formulating questions to presenting insights.

• Demonstrate problem-solving skills by acquiring, cleaning, and analyzing data to propose actionable solutions for business problems.

• Communicate findings effectively through reports and presentations, employing data visualization for clear and compelling explanations.

• Manage time efficiently by establishing clear objectives and outlining project milestones to ensure effective project management.

TEDA2052 - Data Analytics Capstone Project Elective

General

Start Term
2026-2027

Subject Code
TEDA

Course Code
TEDA2052

Course Number
2052

Course Hours
60

Course Credits
2

Description
This course teaches students to harness their data analytics skills by undertaking a comprehensive capstone project. Using various tools and techniques learned throughout the course of this program, students demonstrate their ability to identify business questions, collect, clean, and analyze data. The culmination of this project involves presenting their meaningful insights and findings through a visualization tool, class presentation and written report.

Upon course completion, students will be able to:
• Conduct an analysis encompassing the entire data analytics project cycle, from formulating questions to presenting insights.

• Demonstrate problem-solving skills by acquiring, cleaning, and analyzing data to propose actionable solutions for business problems.

• Communicate findings effectively through reports and presentations, employing data visualization for clear and compelling explanations.

• Manage time efficiently by establishing clear objectives and outlining project milestones to ensure effective project management.

TEDE1011 - Introduction to Dental Assisting

General

Start Term
2026-2027

Subject Code
TEDE

Course Code
TEDE1011

Course Number
1011

Course Hours
90

Course Credits
3

Description
The Introduction to Dental Assisting course introduces the student to the dental assisting profession and teaches the fundamental concepts and principles necessary to fully participate as a member of the dental team. Students will learn the names of the teeth numbering systems and their clinical functions.

Upon course completion, students will be able to:
- Describe the members of the dental healthcare team and their roles and responsibilities.

• Identify the landmarks of the face and the oral cavity.

• Identify arches, quadrants and planes, primary and permanent dentition.

• Identify the anatomy and surfaces of a tooth.

• Describe the three primary systems of tooth numbering for permanent and primary dentition.

• Discuss the caries process and how to control tooth decay.

• Discuss preventive dentistry and the relationship between nutrition and dental carries.

• Discuss how diet and nutrition can affect oral conditions and the functions of nutrients.

TEDE1015 - Intraoral Procedures and Patient Care

General

Start Term
2026-2027

Subject Code
TEDE

Course Code
TEDE1015

Course Number
1015

Course Hours
60

Course Credits
2

Description
The Intraoral Procedures and Patient Care course introduces the use of dental materials in a clinical
setting. Storing, mixing, transferring, and applying of materials is integrated in the instruction. Patient care
explores a basic knowledge of the use of anesthesia and sedation and care for the patient clinical
chairside.

Upon course completion, students will be able to:
• Describe processes and principles of cavity preps and classes of restorations and the need for

pins, or intermediate restorative materials.

• List the properties of dental materials, how to manipulate them, and how they affect their

application.

• Assist with applying cavity liners, sealers, varnishes, and desensitizers.

• Discuss the importance of pain control in dentistry.

• Identify potential needs of patients in the clinical setting.

TEDE1021 - Infection Control

General

Start Term
2026-2027

Subject Code
TEDE

Course Code
TEDE1021

Course Number
1021

Course Hours
60

Course Credits
2

Description
Infection Control course lays out the fundamentals of oral diseases, infection control, microbiology, and safety procedures in the dental office.

Upon course completion, students will be able to:
• Identify developmental disorders of the jaws and dentition.

• Discuss viral and bacterial diseases.

• Describe the modes of disease transmission and the importance of infection control.

• Perform appropriate first aid after an exposure incident.

• Discuss the CDC’s prevention guidelines and the components of an Occupational Safety and

• Discuss the role of government agencies in relation to dentistry.

• Discuss the classification and methods of sterilization.

• Demonstrate properly sterilizing instruments and using the sterilization equipment.

• Discuss the history and pioneers of microbiology.

TEDE1100 - Dental Anatomy

General

Start Term
2026-2027

Subject Code
TEDE

Course Code
TEDE1100

Course Number
1100

Course Hours
60

Course Credits
2

Description
The Dental Anatomy course lays out the fundamentals of dental terminology. This course provides a basic overview of the anatomy and physiology of the human body, with an emphasis on head and neck anatomy.

Upon course completion, students will be able to:
• Identify and describe the four levels of organization in the human body.

• Locate the major systems of the body; explain their purposes, components, and functions: and

describe the signs and symptoms of each of their common disorders.

• Explain why understanding dental anatomy and physiology is important to the dental assistant.

• Identify the regions of the head.

• Locate and identify the bones of the skull.

• Discuss the symptoms of temporomandibular joint disorders.

• Identify locations of the muscles, salivary glands, blood vessels and nerves of the head and neck.

TEDE1110 - Dental Radiology

General

Start Term
2025-2026

Subject Code
TEDE

Course Code
TEDE1110

Course Number
1110

Course Hours
90

Course Credits
3

Description
The Dental Radiology course introduces the student to the basic safety and use of radiation in a dental setting. Students are given the knowledge and skills to expose and process intraoral and extraoral radiographic images including the various techniques used for each. The necessary skills and knowledge required to earn the Utah State Radiation Health and Safety certificate, that is necessary for employment as a dental assistant, are taught as well

Upon course completion, students will be able to:
• Discuss the discovery of x-radiation and pioneers in the history of dental radiography.

• Discuss radiation physics and explain how x-rays are produced.

• Define what radiation safety measures should be used when exposing radiographs.

• Demonstrate the proper infection control protocol while exposing radiographs.

• Demonstrate a working knowledge of radiation safety measures.

• Describe uses of different dental imaging systems.

TEDE1201 - Dental Instruments and Equipment

General

Start Term
2026-2027

Subject Code
TEDE

Course Code
TEDE1201

Course Number
1201

Course Hours
90

Course Credits
3

Description
Dental Instruments and Equipment course identifies the proper use of instruments and equipment at the chair, and how to treat a medical emergency should one occur in the dental office.

Upon course completion, students will be able to:
• Describe areas of dental environment in a professional office.

• List clinical equipment and the basic functions.

• Describe how to prepare the treatment area for at patient.

• Explain instruments and how they are transferred.

• Discuss the role of the dental assistant in caring for the special patient.

• Describe the major medical disorders that can affect a patient’s oral health.

• Describe the preventive measures taken for a medical emergency.

• List the responsibilities of a dental assistant in an emergency and documentation.

TEDE1221 - Orthodontics, Pediatrics, Prosthodontics

General

Start Term
2026-2027

Subject Code
TEDE

Course Code
TEDE1221

Course Number
1221

Course Hours
90

Course Credits
3

Description
The Orthodontics, Pediatrics, Prosthodontics course introduces the clinical concepts and basic skills
related the different specialties in the dental field and how their treatment is individual for each one. Types
of orthodontic treatment, removable and fixed prosthodontics, pediatric dentistry are also discussed.

Upon course completion, students will be able to:
• List indications and contraindications for fixed and removable prosthesis.

• Identify the role of the dental laboratory technician in dentistry.

• Describe steps when using a CAD/CAM system in the office.

• Discuss types of pediatric dental trauma and how to handle suspected abuse and neglect.

• List the causes and habits of patients that can affect their dental occlusion.

• Explain the role of an orthodontist assistant and the environment of the orthodontic practice.

TEDE1300 - Dental Office Administration

General

Start Term
2026-2027

Subject Code
TEDE

Course Code
TEDE1300

Course Number
1300

Course Hours
30

Course Credits
1

Description
The Dental Office Administration course provides the necessary knowledge and skills required in the
dental office setting, and office administrative duties. Students learn about communication, law and
ethics, job skills and many factors associated with making career decisions that can enhance a dental
assistant's growth and success.

Upon course completion, students will be able to:
• Demonstrate knowledge of the law and ethics pertaining to the practice of dentistry.

• Demonstrate knowledge of the Health Insurance Portability and Accountability Act (HIPAA) of

1996 as it pertains to the practice of dentistry.

• Demonstrate knowledge regarding communication (verbal and nonverbal) in the dental office and

Maslow's hierarchy of needs.

• Identify office stress and demonstrate how to resolve conflicts.

• Identify the dental office staff and areas of responsibility.

• Describe proper dental records management.

• Describe basic payroll systems in the dental office.

TEDE1900 - Dental Assisting Externship

General

Start Term
2026-2027

Subject Code
TEDE

Course Code
TEDE1900

Course Number
1900

Course Hours
90

Course Credits
2

Description
The Externship course presents the opportunity to practice skills acquired in dental assisting at a working dental office or clinic under the supervision of a licensed dentist.

Upon course completion, students will be able to:
• Demonstrate professionalism in a workplace setting.

• Practice competency by applying skills learned in a workplace setting.

TEDE1901 - Dental Assisting Externship II

General

Start Term
2026-2027

Subject Code
TEDE

Course Code
TEDE1901

Course Number
1901

Course Hours
135

Course Credits
3

Description
The Dental Assisting Externship II course presents the students with an opportunity to have additional practice of the skills acquired in dental assisting at a working dental office or clinic under the supervision of a licensed dentist. This gives the student an opportunity to become proficient in the skills they have learned.

Upon course completion, students will be able to:
• Demonstrate professionalism in a workplace setting.

• Practice the application of skills in a workplace setting.

TEDG1111 - Intermediate Graphic Design

General

Start Term
2025-2026

Subject Code
TEDG

Course Code
TEDG1111

Course Number
1111

Course Hours
120

Course Credits
4

Description
In the Intermediate Graphic Design course, students build on knowledge from the Beginning course and practice in Photoshop, Illustrator, and InDesign by completing portfolio quality projects. This course introduces the skills necessary for students to be successful in industry leading graphic design applications and tools. Students who complete this course are able to use a current industry computer application for graphic manipulation, such as combining images and graphics and how to capture those images from digital devices.

Upon course completion, students will be able to:
• Use current industry software.

• Create a variety of portfolio projects.

• Manage multiple projects and calculate the time it takes to complete projects to make deadlines.

• Combine images and graphics.

TEDG1210 - Advanced Graphic Design

General

Start Term
2025-2026

Subject Code
TEDG

Course Code
TEDG1210

Course Number
1210

Course Hours
120

Course Credits
4

Description
In the Advanced Graphic Design course, students go through the process of branding an imaginary business from creation of collateral to marketing. This course builds on and develops advanced skills in the leading graphic design applications and tools, such as natural media effects and special effects. Students who complete this course are able to perform fundamental techniques and principles of a variety of unique special effects associated with the enhancement of digital images.

Upon course completion, students will be able to:
• Demonstrate brainstorming techniques for developing a business.

• Create printed and digital collateral needed for the business' success.

• Produce high quality images from a digital file.

• Determine what software is best suited for each piece of designed collateral.

TEDG1220 - Motion Design

General

Start Term
2025-2026

Subject Code
TEDG

Course Code
TEDG1220

Course Number
1220

Course Hours
120

Course Credits
4

Description
In the Motion Design course, students learn the power of motion in visual communication through video production, animation, and motion graphics. This course introduces the fundamentals of video editing and detailed instruction in the use of non-linear editing programs on desktop computers. Students who complete this course are able to work at the current industry standard 3D modeling, rendering, and animation software.

Upon course completion, students will be able to:
• Plan a short video subject by creating a script, storyboards, and shot list.

• Shoot, edit, and produce video and export for viewing.

• Create eye-catching animations using industry software.

TEDG1230 - Interactive Design

General

Start Term
2025-2026

Subject Code
TEDG

Course Code
TEDG1230

Course Number
1230

Course Hours
120

Course Credits
4

Description
In the Interactive Design course, students learn to design for interactivity using basic coding for screens of various devices. The course introduces the basic of HTML and covers commonly used tags, forms, and how to embed and format media. It also introduces students to commonly used HTML editors. The course also teaches how to publish a variety of content types to the internet. Students who complete this course are able to operate current industry web page design software to develop and publish HTML web pages.

Upon course completion, students will be able to:
• Create an interactive app prototype using current industry software.

• Code with HTML and CSS to create an interactive website.

• Use code to develop a design that works on multiple devices.

• Create a web-based portfolio showcasing their projects.

• Create web pages with web design graphic principles.

TEDG1420 - Web Essentials

General

Start Term
2025-2026

Subject Code
TEDG

Course Code
TEDG1420

Course Number
1420

Course Hours
90

Course Credits
3

Description
The Web Essentials course provides the fundamentals necessary to plan, design, develop, deploy, and critique a website which includes images, sound, video, forms, and separates content from presentation. Focuses on the fundamentals of web programming languages.

Upon course completion, students will be able to:
• Examine various ways to build an accessible web page.

• Demonstrate knowledge of color wheel concepts and effective use of color on a website.

• Compare functional and usable design principles and explain how usability can affect a website’s success.

• Explain and apply the primary steps of the website planning process.

• Compare website creation using an online site builder, an offline site builder and a content management system (CMS).

TEDG1430 - UX Design

General

Start Term
2025-2026

Subject Code
TEDG

Course Code
TEDG1430

Course Number
1430

Course Hours
120

Course Credits
4

Description
The UX Design course teaches basic principles and techniques of interface design for the Web. Includes discussion of usability and information architecture to solve client needs. Includes learning HTML tags and CSS styling, image preparation for the Web, and using industry software to create and upload web-ready files.

Upon course completion, students will be able to:
• Apply human interface guidelines in real world applications.

• Research user interactions and usability to assist in creating a prototype.

• Create functioning prototypes that are ready for user testing.

• Conduct user tests for usability of designed prototypes.

• Prepare files to give to developers for final implementation.

TEDG1500 - Professional Development

General

Start Term
2025-2026

Subject Code
TEDG

Course Code
TEDG1500

Course Number
1500

Course Hours
120

Course Credits
4

Description
In the Professional Development course, students learn soft skills including managing a creative business, building portfolios, setting up a freelance business, working as a team, and marketing themselves as a graphic designer.

Upon course completion, students will be able to:
• Use soft skills to create and manage a creative business.

• Create portfolios of projects that showcase their new skills.

• Work as small teams to produce larger scale projects.

• Demonstrate high-level application of appropriate digital publishing software.

• Practice skills of how to market themselves as a graphic designer.

TEDM1010 - Introduction to Marketing

General

Start Term
2026-2027

Subject Code
TEDM

Course Code
TEDM1010

Course Number
1010

Course Hours
60

Course Credits
2

Description
The Introduction to Marketing course is designed to help students become proficient in the fundamentals and best practices of marketing. The course will cover key digital marketing terms, marketing research, buyer personas, positioning, buyer behaviors, brand management, product management, and pricing. Through lecture, guest speakers, presentations, and hands-on application, students will become proficient in the skills needed to be a modern-day digital marketer.

Upon course completion, students will be able to:
• Demonstrate fundamental marketing skills needed to pursue an education in digital marketing.

• Display an understanding of marketing key terms and definitions.

• Assess marketing strategies through industry case studies.

• Implement marketing best practices and strategies through hands-on business applications.

• Present marketing plans based on industry best practices.

TEDM1020 - Marketing Design

General

Start Term
2026-2027

Subject Code
TEDM

Course Code
TEDM1020

Course Number
1020

Course Hours
60

Course Credits
2

Description
The Marketing Design course will help students become familiar with graphic design concepts and platforms. The course will cover marketing design principles, design best practices, and popular graphic design platforms. Students will learn marketing design through lectures, guest speakers, presentations, and hands-on applications.

Upon course completion, students will be able to:
• Demonstrate knowledge of graphic design key terminology and definitions.

• Explain why marketing design principles are an important part of a company's marketing strategy.

• Display an understanding of how design affects businesses marketing efforts.

• Break down the differences between good and bad marketing content.

• Create marketing content on today's most popular platforms.

TEDM1030 - Content Marketing and Marketing Analytics

General

Start Term
2026-2027

Subject Code
TEDM

Course Code
TEDM1030

Course Number
1030

Course Hours
120

Course Credits
4

Description
The Content Marketing and Marketing Analytics course is designed to help students become proficient in content marketing, web design, and marketing analytics using todays leading platforms. The course will cover content marketing best practices, content marketing strategy, creating marketing content, website design, website building, website management, tracking marketing analytics, and measuring and reporting on marketing efforts. Students will learn through lectures, guest speakers, presentations, and hands-on applications the best practices and strategies of content marketing.

Upon course completion, students will be able to:
• Explain why content marketing is an important part of a company's overall marketing strategy.

• Demonstrate knowledge of content marketing key terminology and definitions.

• Analyze when and how to use content marketing to optimize a customer buyer's journey.

• Execute content marketing best practices and strategies through content creation.

• Demonstrate proficiency in using content marketing platforms and tools.

• Build content promotion strategies for businesses.

• Create and manage a personal website or portfolio.

• Analyze marketing data to make informed future business decisions.

• Demonstrate proficiency in using leading marketing analytics tools.

TEDM1040 - Email Marketing

General

Start Term
2026-2027

Subject Code
TEDM

Course Code
TEDM1040

Course Number
1040

Course Hours
60

Course Credits
2

Description
The Email Marketing and Customer Relationship Management course is designed to help students become proficient in email marketing, using todays leading platforms. The course will cover email marketing best practices, email marketing strategy, creating emails, lead generation, creating landing pages, tracking email marketing analytics, and email marketing automation. Students will learn through lectures, guest speakers, presentations, and hands-on applications the best practices and strategies of email marketing.

Upon course completion, students will be able to:
• Explain why email marketing is an important part of a company's overall marketing strategy.

• Demonstrate knowledge of email marketing key terminology and definitions.

• Analyze when and how to use email marketing to maximize their customer experience and drive more website visits, leads and sales.

• Execute email marketing best practices and strategies through hands-on projects.

• Create a variety of different email marketing content.

• Demonstrate proficiency in using email marketing tools and platforms.

• Execute and design email marketing automation workflows for contact management.

TEDM1050 - Search Engine Optimization

General

Start Term
2026-2027

Subject Code
TEDM

Course Code
TEDM1050

Course Number
1050

Course Hours
60

Course Credits
2

Description
The Search Engine Optimization course is designed to help students become proficient in SEO using todays leading platforms. The course will cover search engine optimization best practices, on-site SEO, off-site SEO, technical SEO, SEO audits, and today's leading SEO tools. Students will learn through lectures, guest speakers, presentations, and hands-on applications the best practices and strategies of SEO.

Upon course completion, students will be able to:
• Explain why search engine optimization is an essential part of a company's overall marketing strategy.

• Demonstrate knowledge of search engine optimization key terminology and definitions.

• Analyze when and how to use search engine optimization to increase website rankings.

• Execute search engine optimization best practices and strategies through hands-on projects.

• Manage on-site, off-site, and technical search engine optimization on their personal website/portfolio.

• Perform and present website audits for businesses.

• Demonstrate proficiency in using search engine marketing tools.

TEDM1060 - Digital Advertising

General

Start Term
2026-2027

Subject Code
TEDM

Course Code
TEDM1060

Course Number
1060

Course Hours
90

Course Credits
3

Description
The Digital Advertising course is designed to help students become proficient in Search Engine Marketing using todays leading platforms. The course will cover digital advertising best practices, bidding strategies, search ads, display ads, video ads, digital ads optimization analyzing ad performance, and current leading digital advertising platforms. Students will learn through lectures, guest speakers, presentations, and hands-on applications the best practices and strategies of Digital Advertising.

Upon course completion, students will be able to:
• Explain why digital advertising is an important part of a company's overall marketing strategy.

• Demonstrate knowledge of digital advertising key terminology and definitions.

• Analyze when and how to use digital advertising to drive website traffic, leads, and sales.

• Execute digital advertising best practices and strategies through hands-on projects.

• Create digital ads on current leading advertising platforms.

• Break down digital advertising results and key metrics for improving results.

• Demonstrate proficiency in using digital advertising tools.

TEDM1070 - Social Media Marketing

General

Start Term
2026-2027

Subject Code
TEDM

Course Code
TEDM1070

Course Number
1070

Course Hours
90

Course Credits
3

Description
The Social Media Marketing course is designed to help students become proficient in organic and paid social media marketing on today's leading platforms. This course will cover social media branding, social media strategy, social media management, paid social media marketing, influencer marketing, social media tools, and social media analytics. Students will learn through lectures and hands-on training the best practices and strategies of social media marketing.

Upon course completion, students will be able to:
• Explain why social media marketing is an important part of a company's overall marketing strategy.

• Demonstrate knowledge of social media marketing key terminology and definitions.

• Analyze when and how to use social media marketing to maximize return on investment.

• Execute social media marketing best practices for today's most popular platforms.

• Demonstrate proficiency in using social media marketing platforms and tools.

• Create and optimize social media ad campaigns.

• Break down and report on social media analytics.

TEDM1080 - Advanced Digital Marketing

General

Start Term
2026-2027

Subject Code
TEDM

Course Code
TEDM1080

Course Number
1080

Course Hours
60

Course Credits
2

Description
The Advanced Digital Marketing course is designed to help students become proficient in advanced digital marketing tactics, best practices, and strategies. The course will cover advanced marketing strategies for content marketing, email marketing, search engine optimization, conversion rate optimization, digital advertising, social media marketing, or marketing analytics. Students will learn through lectures, presentations, and hands-on training these advanced marketing skills.

Upon course completion, students will be able to:
• Demonstrate knowledge of advanced digital marketing skills needed for the jobs of today.

• Research and present new digital marketing tools, skills, or best practices.

• Implement ways to stay up to date in chosen digital marketing specialty.

• Create a digital marketing resume with the skills and knowledge learned in the program.

• Complete mock interviews for specific digital marketing jobs.

TEDT1010 - Introduction to Diesel Technology

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1010

Course Number
1010

Course Hours
60

Course Credits
2

Description
Introduction to Diesel Technology course provides students an introduction to Heavy-Duty commercial
vehicles, including available careers and the skills and certifications required. Students will receive
instruction in safety, personal protection equipment, the use of basic tools and shop equipment.

Upon course completion, students will be able to:
• Demonstrate a safety-oriented mindset and always ensure a safe working environment.

• Demonstrate the proper use of the tools and equipment needed to work in the diesel industry.

• Demonstrate the ability to measure, identify and repair fasteners and hoses related to the diesel

industry.

TEDT1100 - Electrical I

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1100

Course Number
1100

Course Hours
120

Course Credits
4

Description
Electrical I provides theory and hands-on instruction on the principals of electricity, basic components,
sensors, circuits, wiring schematics, and multi-meters.

Upon course completion, students will be able to:
• Identify electrical systems associated with diesel vehicles.

• Explain basic electrical circuits and how they work.

• Discuss battery, starting circuits, and charging systems and their proper function.

TEDT1110 - Electrical II

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1110

Course Number
1110

Course Hours
120

Course Credits
4

Description
In the Electrical II course, students learn advanced electrical theory and diagnostic procedures.

Upon course completion, students will be able to:
• Diagnose electrical systems associated with diesel vehicles.

• Interpret electrical schematics and apply them to the diesel industry.

• Demonstrate basic use of computer guided electrical diagnostics as it pertains to engine chassis

and braking systems.

TEDT1200 - Steering and Suspension

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1200

Course Number
1200

Course Hours
120

Course Credits
4

Description
The Steering and Suspension course provides theory and hands-on instruction on the maintenance and repair of front axles, alignment, truck frames, steering and suspension systems, and coupling devices.

Upon course completion, students will be able to:
• Safely work on and around steering and suspension systems.

• Identify the major steering and suspension components related to Class 6,7, and 8 trucks.

• Diagnose, adjust, and repair steering and suspension systems related to Class 6, 7, and 8 trucks.

TEDT1300 - Brakes

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1300

Course Number
1300

Course Hours
120

Course Credits
4

Description
Brakes provides theory and hands-on instruction on heavy duty braking systems. Students will learn
maintenance and repair of wheels and tires, hubs and wheel bearings, air brake systems, drum and rotor
brakes, Anti-lock braking system (ABS), and hydraulic braking systems.

Upon course completion, students will be able to:
• Maintain vehicle safety through safe brake maintenance and repairs.

• Identify and repair the major components related to truck air foundation brake systems.

• Identify and repair truck air disk brake systems.

TEDT1400 - Drivetrain

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1400

Course Number
1400

Course Hours
120

Course Credits
4

Description
In this Drivetrain course, students receive theory and hands-on instruction on maintenance and repair of
the heavy-duty drivetrain systems. Topics will include clutches, transmissions, drive lines, and
differentials.

Upon course completion, students will be able to:
• Identify the major components of the drivetrain system.

• Explain the function of the drivetrain systems.

• Repair, replace, and diagnose drivetrain system components related to the transportation

industry.

TEDT1500 - Preventative Maintenance I

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1500

Course Number
1500

Course Hours
30

Course Credits
1

Description
The Preventative Maintenance course introduces students to the service and preventive maintenance
practices found within the trucking industry. Instruction includes inspection and maintenance of truck and
trailer systems, engine systems, electrical systems, frame, and steering components.

Upon course completion, students will be able to:
• Discuss preventative maintenance and why it is so important for safety and productivity of the

diesel industry.

• Inspect all truck systems and determine vehicles meets safe working standards.

• Demonstrate the service and maintenance of commercial truck systems.

TEDT1510 - Preventative Maintenance II

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1510

Course Number
1510

Course Hours
90

Course Credits
3

Description
This course covers identification of additional components on the truck. It teaches the importance of doing
inspections and preventative maintenance for heavy duty trucks, and of following recommended practices
from manufacturers.

Upon course completion, students will be able to:
• Discuss each section of the tuck and help the students identify components and basic services.

• Discuss the importance and safety protocols of a full inspection on a truck.

• Perform pre-trip inspections on a truck, and the truck systems.

• Create a preventative maintenance schedule, including where you can find the information from

manufacturers.

TEDT1600 - Engines I

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1600

Course Number
1600

Course Hours
120

Course Credits
4

Description
Engines I provides theory and hands-on instruction in basic operation, parts, and overhaul procedures of
diesel engines. Students learn the removal, service, and repair of engine blocks, crankshafts, pistons,
rings, connecting rods, camshafts, valve trains, injection pumps, and accessories.

Upon course completion, students will be able to:
Objectives:

• Identify the major components of the internal combustion diesel engine.

• Explain the function of the major components of the internal combustion diesel engine.

• Disassemble, inspect, and reassemble the major components of a diesel engine.

TEDT1610 - Engines II

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1610

Course Number
1610

Course Hours
90

Course Credits
3

Description
Engines II provides the student with more advanced theory and hands-on instruction in diagnostics and
operational systems of the internal combustion engine, including emissions, fuel, and after-treatment
systems.

Upon course completion, students will be able to:
Objectives:

• Identify the type of diesel fuel system and explain its operation.

• Identify the components of modern diesel engines emission systems.

• Explain how modern diesel emission systems components function to meet current EPA

standards.

• Service, diagnose, and repair internal combustion engines, fuel, and emission aftertreatment

systems.

TEDT1700 - Hydraulics

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1700

Course Number
1700

Course Hours
60

Course Credits
2

Description
The Hydraulics course provides theory and hands-on instruction of fluid power as used in modern mobile equipment. Topics include the operation and repair of hydraulic/pneumatic components and systems. This course emphasizes testing, troubleshooting, design, and use of hydraulic schematics.

Upon course completion, students will be able to:
• Explain the dangers of working with hydraulics and how to safely eliminate them.

• Identify and explain the proper function of basic hydraulic systems.

• Diagnose and repair hydraulic systems.

TEDT1750 - Hydraulics II

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1750

Course Number
1750

Course Hours
30

Course Credits
1

Description
The Hydraulics II course extends the theory and hands-on from the Hydraulics course with an emphasis on diagnostics and repair.

Upon course completion, students will be able to:
● Diagnose and repair hydraulic systems.

TEDT1810 - Heating, Ventilation, and Air Conditioning (HVAC)

General

Start Term
2026-2027

Subject Code
TEDT

Course Code
TEDT1810

Course Number
1810

Course Hours
60

Course Credits
2

Description
Heating, Ventilation, and Air Conditioning (HVAC) provides students with theory and hands-on instruction
regarding troubleshooting and repair of heavy-duty truck air conditioning systems. Topics include
condensers; check valves; driers; compressors; evaporators; controls; heating and cooling systems and
controls; and refrigerant handling.

Upon course completion, students will be able to:
Objectives:

• Discuss the function of the heating ventilation and air conditioning systems.

• Demonstrate proper use of an HVAC recovery machine.

• Diagnose, repair, and recharge vehicle HVAC systems in accordance with EPA laws and

regulations.

TEEL1110 - Electrician Apprentice IA

General

Start Term
2026-2027

Subject Code
TEEL

Course Code
TEEL1110

Course Number
1110

Course Hours
90

Course Credits
3

Description
The Electrician Apprentice IA course establishes a solid foundation in electrical fundamentals and the study of basic electrical theory. This course addresses math applications as they relate to the electrical field. In this course, students will use the National Electrical Code (NEC) to apply code requirements to electrical systems. Students will learn and practice in the basics of conduit bending. Students will be introduced to electrical and jobsite hazards and workplace safety.

Upon course completion, students will be able to:
• Demonstrate a proficiency in general math skills with an emphasis on how they relate to the

electrical field.

• Identify electrical and jobsite hazards.

• Explain workplace safety.

• Apply mathematical principles to conduit bending.

• Demonstrate a practical application of conduit bending.

• Explain the fundamentals of electrical theory.

• Explain the fundamentals of electrical circuitry.

• Demonstrate the application of the National Electrical Code (NEC) Articles 090-240.

• Demonstrate how to navigate the National Electrical Code (NEC) Articles 090-240.

TEEL1120 - Electrician Apprentice IB

General

Start Term
2026-2027

Subject Code
TEEL

Course Code
TEEL1120

Course Number
1120

Course Hours
90

Course Credits
3

Description
The Electrician Apprentice IB course continues the study of electrical theory and its application within the electrical field. In this course, students will learn how devices and electrical systems work. Students will also explore lock out tag out, learn what makes a qualified person, and become more familiar with the National Electrical Code (NEC).

Upon course completion, students will be able to:
• Apply the fundamentals of electrical theory.

• Apply the fundamentals of electrical circuitry.

• Explain the definition of a qualified person.

• Explain responsibilities and risks of qualified persons.

• Demonstrate principles and procedures of lock out tag out.

• Demonstrate the application of the National Electrical Code (NEC) Articles 300-450.

• Demonstrate how to navigate the National Electrical Code (NEC) Articles 300-450.

TEEL1210 - Electrician Apprentice IIA

General

Start Term
2026-2027

Subject Code
TEEL

Course Code
TEEL1210

Course Number
1210

Course Hours
90

Course Credits
3

Description
The Electrician Apprentice IIA course discusses single-phase and three-phase alternating current (AC) power systems, inductance, capacitance, reactance, power factor, and power correction. In this course, students will begin a more comprehensive analysis of National Electrical Code (NEC) requirements and calculations. They will explore the NEC requirements for wiring methods and installations of electrical systems as well as electrical safety in the use of energized equipment.

Upon course completion, students will be able to:
• Show proficiency in calculating properties of an AC circuit.

• Demonstrate proper use of hand tools and electrical equipment in practice live applications.

• Demonstrate proficiency in applying and calculating the sizing of Branch circuits, feeders, services, and load calculations.

TEEL1220 - Electrician Apprentice IIB

General

Start Term
2026-2027

Subject Code
TEEL

Course Code
TEEL1220

Course Number
1220

Course Hours
90

Course Credits
3

Description
The Electrician Apprentice IIB course continues the comprehensive analysis of the National Electrical Code (NEC). In this course, students will evaluate the functions, uses, and calculations for direct current (DC) and alternating current (AC) motors, transformers, and other equipment. They will be instructed in electrical safety regarding Personal Protective Equipment (PPE) clothing requirements.

Upon course completion, students will be able to:
• Identify the types and voltages of transformers.

• Calculate values related to transformers.

• Apply the NEC with emphasis in codes regarding motors, transformers, and other electrical equipment.

• Identify types, categories, and ratings of PPE clothing.

• Show applications of types, categories, ratings of Personal Protective Equipment (PPE).

TEEL1310 - Electrician Apprentice IIIA

General

Start Term
2026-2027

Subject Code
TEEL

Course Code
TEEL1310

Course Number
1310

Course Hours
90

Course Credits
3

Description
The Electrician Apprentice IIIA course discusses the roles of bonding and grounding in electrical systems per National Electrical Code (NEC) requirements. In this course, students will be shown the different parts, functions, and calculations for grounding and bonding. Students will explore the rules that apply to different electrical related boundaries set up by the National Fire Protection Agency (NFPA).

Upon course completion, students will be able to:
• Describe the NEC requirements regarding grounding and bonding.

• Calculate sizes of grounding and bonding conductors.

• Explain the various conductors and properties of grounding and bonding contained in an electrical system.

• Explain NFPA rules to limit approach, restricted approach, and arc flash boundaries.

TEEL1320 - Electrician Apprentice IIIB

General

Start Term
2026-2027

Subject Code
TEEL

Course Code
TEEL1320

Course Number
1320

Course Hours
90

Course Credits
3

Description
The Electrician Apprentice IIIB course explores basic and complex electrical motor control systems and their respective fundamental concepts, diagrams, and applications. Students will examine the wiring and protecting of motors and motor circuits per National Electrical Code (NEC) requirements.

Upon course completion, students will be able to:
• Identify electrical symbols and diagrams pertaining to motors and motor control circuits.

• Demonstrate how to wire a control circuit based on a diagram.

• Identify various control devices.

• Explain application of various control devices.

• Apply proper safety protocols around motor controls.

TEEL1410 - Electrician Apprentice IVA

General

Start Term
2026-2027

Subject Code
TEEL

Course Code
TEEL1410

Course Number
1410

Course Hours
90

Course Credits
3

Description
The Electrician Apprentice IVA course explores the basic skills necessary for becoming crew leader and managing electrical hazards. In this course, students will be instructed in special occupancies, special equipment, special conditions and communication systems and their respective National Electrical Code (NEC) requirements.

Upon course completion, students will be able to:
• Demonstrate the application of the National Electrical Code (NEC) Chapters 5-8.

• Demonstrate how to navigate the National Electrical Code (NEC) Chapters 5-8.

• Explain the costs related to safety.

• Perform a hazard / risk assessment.

• Explain Utah licensing requirements and rules.

TEEL1420 - Electrician Apprentice IVB

General

Start Term
2026-2027

Subject Code
TEEL

Course Code
TEEL1420

Course Number
1420

Course Hours
90

Course Credits
3

Description
The Electrician Apprentice IVB course, students will review all concepts from the previous years of electrical apprenticeship education. This course prepares individuals for the Utah State Journeyman qualifying examinations. Upon completion, students will demonstrate journeyman-level understanding of the electrical field as a whole.

Upon course completion, students will be able to:
• Apply knowledge of National Electrical Code (NEC) to pass a comprehensive review.

• Apply knowledge of electrical theory to pass a comprehensive review.

• Apply knowledge of safety to pass a comprehensive review.

TEEM1011 - Emergency Medical Technician

General

Start Term
2026-2027

Subject Code
TEEM

Course Code
TEEM1011

Course Number
1011

Course Hours
180

Course Credits
6

Description
The Emergency Medical Technician program provides training for out-of-hospital emergency medical care and transportation of critical and emergent patients who access the emergency medical services (EMS) system. Emergency Medical Technicians (EMTs) have basic knowledge and skills necessary to stabilize and safely transport patients ranging from non-emergency and routine medical transports to life threatening emergencies. EMTs function as part of a comprehensive EMS response system, under medical oversight. EMTs perform interventions with the basic equipment typically found on an ambulance. EMTs are a critical link between the scene of an emergency and the health care system.

Upon course completion, students will be able to:
• Apply fundamental knowledge of the anatomy and function of all human systems to the practice of EMS.

• Use foundational anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.

• Apply fundamental knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.

• Apply fundamental knowledge of lifespan development to patient assessment and management.

• Use simple knowledge of the principles of illness and injury prevention in emergency care.

• Properly administer or assist in administering medications to a patient in an emergency.

• Apply fundamental knowledge of the EMS system, safety/well-being of the EMT, and medical/legal and ethical issues to the provision of emergency care.

• Apply knowledge (fundamental depth, foundational breadth) of anatomy and physiology to patient assessment and management to assure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.

• Interpret scene information and patient assessment findings including scene size-up, primary and secondary assessment, patient history, and reassessment, to guide emergency management.

• Provide basic emergency care and transportation based on assessment findings for an acutely ill patient.

• Apply a fundamental knowledge of the causes, pathophysiology, and management of shock, respiratory failure or arrest, cardiac failure or arrest, and post-resuscitation management.

• Provide basic emergency care and transportation based on assessment findings for an acutely injured patient.

• Utilize principles of growth, development, aging and assessment findings to provide basic emergency care and transportation for a patient with special needs.

• Perform in accordance with operational roles and responsibilities to ensure patient, public, and personnel safety when responding to an emergency.

TEEM1202 - Advanced Emergency Medical Technician

General

Start Term
2026-2027

Subject Code
TEEM

Course Code
TEEM1202

Course Number
1202

Course Hours
180

Course Credits
6

Description
Advanced Emergency Medical Technicians provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system (EMS). Advanced Emergency Medical Technicians (AEMTs) possess the basic knowledge and skills necessary to provide patient care and transportation. Advanced Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight. Advanced Emergency Medical Technicians perform interventions with the basic and advanced equipment typically found on an ambulance. The Advanced Emergency Medical Technician is a link from the scene to the emergency health care system.

Upon course completion, students will be able to:
• Demonstrate comprehensive knowledge of EMS and perform in accordance with operational roles, prioritizing safety and addressing legal and ethical considerations when providing emergency care.

• Integrate and apply comprehensive knowledge of airway, respiratory, and circulatory anatomy and physiology into EMS practice to assess and manage patients, ensuring optimal airway, mechanical ventilation, and respiration across all age groups.

• Utilize scene information and interpret patient assessment findings to guide and provide emergency care and transportation for patients with acute injuries, illnesses, shock, respiratory or cardiac failure/arrest, and post-resuscitation management.

• Utilize medical terminology for effective communication with healthcare professionals.

• Apply foundational EMS principles and knowledge of lifespan development to assess, manage, and provide emergency care and transportation during health emergencies and for patients with special needs.

• Demonstrate expertise in administering AEMT-carried medications in emergency scenarios.

TEIT1030 - Artificial Intelligence Essentials

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT1030

Course Number
1030

Course Hours
30

Course Credits
1

Description
The AI Essentials course provides a foundational understanding of artificial intelligence concepts and practical applications. The course focuses on key AI principles, machine learning basics, and the ethical considerations of AI in business and technology. Through a mix of theoretical discussions and hands-on exercises, students gain the knowledge necessary to understand AI's impact across industries.

Upon course completion, students will be able to:
• Discuss AI's role in enhancing business processes and decision-making.

• Explain the purpose and function of popular AI frameworks and tools.

• Discuss the ethical implications of AI, including bias, fairness, and accountability.

TEIT1050 - Career & Workplace Relations

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT1050

Course Number
1050

Course Hours
30

Course Credits
1

Description
Career and Workplace Relations is designed to help students gain insight into how their skills and professionalism enhance relationships between management and coworkers. Instruction includes employment skills such as communication, critical thinking, professional etiquette, team dynamics and more.

Upon course completion, students will be able to:
• Identify personal and transferable skills, competencies and/or abilities.

• Create an industry specific resume, cover letter, thank you letter, reference list, and online presence.

• Demonstrate effective interviewing skills.

• Submit an application for an industry specific position.

• Demonstrate effective use of job search websites.

TEIT1100 - Introduction to Networking

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT1100

Course Number
1100

Course Hours
30

Course Credits
1

Description
Introduction to Networking provides foundational-level instruction on the concepts, models, services, settings, protocols, topologies, and devices used in computer networks. Students also explore the Open Systems Interconnection (OSI) and Transmission Control Protocol/Internet Protocol (TCP/IP) models.

Upon course completion, students will be able to:
• Define common concepts and terms associated with computer networking.

• Identify and differentiate the purpose and function of common networking devices.

• Identify and differentiate common networking ports, protocols and services.

• Identify components of the OSI and TCP/IP models.

• Compare and contrast network topologies and access methods.

TEIT1170 - Computer Networks I

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT1170

Course Number
1170

Course Hours
60

Course Credits
2

Description
Computer Networks I explores common computer networking models, network device installation and configuration, switching and routing technologies, IP address configuration, basic wireless network configuration, and network troubleshooting tools and methodology. This course aligns with objectives from popular networking certifications.

Upon course completion, students will be able to:
• Differentiate the purpose of each layer in the Open Systems Interconnection (OSI) model.

• Install and configure common networking devices, components, and services.

• Identify characteristics of switching and routing technologies and features.

• Plan and configure IPv4 and IPv6 network addresses and services.

• Configure a small office/home office (SOHO) wireless network.

• Use the appropriate methodology, tools, and protocols to troubleshoot and resolve networking issues.

TEIT1200 - A+ Core I

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT1200

Course Number
1200

Course Hours
90

Course Credits
3

Description
A+ Core I prepares students to be successful computer technicians, capable of installing, maintaining, troubleshooting, optimizing, and securing desktop computers, laptops, mobile devices, and printers. This course aligns with objectives of the CompTIA A+ Core 1 certification exam.

Upon course completion, students will be able to:
• Install and configure computer hardware components and peripheral devices.

• Identify and configure basic networking components and protocols.

• Install and configure laptops and other mobile devices.

• Diagnose and troubleshoot device and network issues.

• Compare and contrast cloud computing concepts.

• Configure client-side virtualization.

TEIT1210 - A+ Core II

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT1210

Course Number
1210

Course Hours
90

Course Credits
3

Description
A+ Core II is a follow-up to A+ Core I and provides further instruction on installation, configuration, maintenance, and security of various common operating systems and platforms. This course aligns with the objectives of the CompTIA A+ Core 2 certification exam.

Upon course completion, students will be able to:
• Install and Configure Windows, Mac, and Linux.

• Identify best practices for safety, environmental impacts, communication, and professionalism.

• Troubleshoot common operating system, malware, and security issues.

• Identify basic vulnerabilities and protect against threats.

• Install, configure, and maintain software in computers and mobile devices.

TEIT1300 - Linux Foundations

General

Start Term
2025-2026

Subject Code
TEIT

Course Code
TEIT1300

Course Number
1300

Course Hours
60

Course Credits
2

Description
Linux Foundations focuses on the installation, configuration, and process management of a Linux workstation. Students explore shell programming, file system management, user accounts, access and permissions, and application installation and management.

Upon course completion, students will be able to:
• Install and maintain a Linux workstation.

• Configure Linux from the GUI and command line.

• Configure file and access permissions.

• Perform maintenance tasks including user management, backup and restore, shut down, and reboot.

TEIT1400 - Introduction to Cloud

General

Start Term
2025-2026

Subject Code
TEIT

Course Code
TEIT1400

Course Number
1400

Course Hours
60

Course Credits
2

Description
Introduction to Cloud provides instruction on core cloud computing concepts, services, and solutions as well as foundational knowledge from a business value perspective of the benefits and considerations for cloud computing implementation. Included is an overview of popular cloud platforms.

Upon course completion, students will be able to:
• Define the value proposition of cloud computing.

• Identify core cloud concepts, services, solutions, and management tools.

• Demonstrate an understanding of cloud security considerations, features, and best practices.

• Describe cloud identity, governance, privacy, and compliance concepts and features.

• Compare and contrast cloud pricing models and identify cost management solutions.

• Define cloud deployment models, methods, and operations.

TEIT1620 - Introduction to Microsoft 365

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT1620

Course Number
1620

Course Hours
60

Course Credits
2

Description
The Introduction to Microsoft 365 course provides instruction on how Microsoft 365 solutions address common organizational technology challenges including productivity, collaboration, and communication. Topics include endpoint and application management, desktop virtualization, automated operating system deployment, Microsoft 365 licensing, deployment and migration assistance, and product support options.

Upon course completion, students will be able to:
• Identify and describe cloud concepts.

• Describe core Microsoft 365 services and solutions.

• Describe security, compliance, privacy, and trust in Microsoft 365.

• Compare and contrast Microsoft 365 licensing, pricing, and support options.

TEIT1630 - Microsoft Windows Server Administration Fundamentals

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT1630

Course Number
1630

Course Hours
60

Course Credits
2

Description
The Microsoft Windows Server Administration Fundamentals course offers a hands-on introduction to Windows Server administration. The student will explore basic systems administration of workstations and servers in a Windows domain, emphasizing the use of Active Directory for common everyday add, move, and change tasks.

Upon course completion, students will be able to:
• Identify, define, and describe server roles, features, and services.

• Install, configure, and manage server roles and services including Domain Controllers, Active Directory, Group Policy, DHCP, DNS, and Remote Access Services.

• Recognize and implement the proper share permissions on File and Print Servers.

• Implement effective storage solutions using RAID and other fault-tolerant storage technologies.

• Identify the importance of security updates and software update packages.

• Perform server troubleshooting, performance tuning, and maintenance.

• Explain fault-tolerance and disaster recovery.

• Configure, manage, monitor, and troubleshoot security in a Directory Services Infrastructure.

TEIT1800 - Certification Test Prep I

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT1800

Course Number
1800

Course Hours
30

Course Credits
1

Description
Certification Test Prep I provides instruction in preparation for industry exams. Students will access additional testing materials and resources for their exam preparation. Students will review the exam outline, objectives, grading scale, requirements, and recommendations for the specified industry exam.

Upon course completion, students will be able to:
• Identify areas for improvement of certification learning objectives.

• Demonstrate competency by passing practice tests.

• Demonstrate proficiency in test-taking strategies.

• Schedule and take the certification exam.

TEIT1810 - Certification Test Prep II

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT1810

Course Number
1810

Course Hours
30

Course Credits
1

Description
Certification Test Prep II provides instruction in preparation for industry exams. Students will access additional testing materials and resources for their exam preparation. Students will review the exam outline, objectives, grading scale, requirements, and recommendations for the specified industry exam.

Upon course completion, students will be able to:
• Identify areas for improvement of certification learning objectives.

• Demonstrate competency by passing practice tests.

• Demonstrate proficiency in test-taking strategies.

• Schedule and take the certification exam.

TEIT1945 - Intermediate Service Desk

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT1945

Course Number
1945

Course Hours
60

Course Credits
2

Description
This course provides a hands-on service desk experience where students will complete activities that will hone the customer service, documentation, and troubleshooting skills needed to obtain a position as a service desk professional. This course also provides multiple opportunities to complete real world tickets as part of our free community computer support service desk.

Upon course completion, students will be able to:
• Explain the common tasks associated with the service desk.

• Use best practice techniques with customers.

• Research and present information to customers.

• Create troubleshooting tools.

• Use common troubleshooting steps.

• Build clean Windows images for installation.

• Perform basic Active Directory tasks.

• Complete Service Desk tickets for family, friends, and the community.

TEIT2170 - Computer Networks II

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT2170

Course Number
2170

Course Hours
90

Course Credits
3

Description
Computer Networks II examines network design and architecture considerations, network documentation, change management, network monitoring methods and solutions, configuration management, network security hardening techniques, and basic datacenter, cloud, and virtual-network concepts. This course aligns with objectives from popular networking certifications.

Upon course completion, students will be able to:
• Compare and contrast networking appliances, applications, and functions.

• Identify the purpose of organizational processes and procedures.

• Use protocols, tools, and techniques to monitor network activity and troubleshoot performance and availability issues.

• Identify and implement network defense techniques, security features, and security solutions.

• Configure secure enterprise wireless networks.

• Identify basic datacenter, cloud, and virtual-networking concepts.

• Compare and contrast network access and management methods.

TEIT2200 - Security+

General

Start Term
2026-2027

Subject Code
TEIT

Course Code
TEIT2200

Course Number
2200

Course Hours
120

Course Credits
4

Description
Security+ provides instruction on assessing the security posture of enterprise environments and implementing appropriate security solutions. Instruction is given to identify, analyze, and respond to events and incidents. This course aligns with the objectives of the CompTIA Security+ certification exam.

Upon course completion, students will be able to:
• Explain security functions and purposes as they relate to network devices.

• Identify and implement risk mitigation techniques and strategies.

• Distinguish and evaluate different network and physical security threats.

• Implement network intrusion detection and prevention technologies.

• Identify and execute appropriate cryptography measures.

TEMA1010 - Introduction to Medical Assisting

General

Start Term
2026-2027

Subject Code
TEMA

Course Code
TEMA1010

Course Number
1010

Course Hours
60

Course Credits
2

Description
The Introduction to Medical Assisting course provides an overview of healthcare professions and their roles in the healthcare environment. Students will be guided through legal concepts and ethical issues in the healthcare setting which will compare and contrast moral issues, professional, and personal ethics. The foundational principles of professional and effective interpersonal communication techniques will be discussed.

Upon course completion, students will be able to:
• Describe allied health professionals, their various scopes of practice, and their roles as a member in the healthcare industry.

• Apply legal and ethical standards in healthcare.

• Demonstrate workplace professionalism and communication.

TEMA1020 - Medical Office I

General

Start Term
2026-2027

Subject Code
TEMA

Course Code
TEMA1020

Course Number
1020

Course Hours
60

Course Credits
2

Description
The Medical Office I course introduces administrative and general duties in a medical office. These duties include appointment scheduling, records management, electronic health records use and management, written communications, health insurance, office equipment and management, as well as telephone procedures. This course will provide hands-on practice of administrative skills and competency-based examinations.

Upon course completion, students will be able to:
Objectives:

• Demonstrate professionalism and responsibilities of the medical assistant through written, verbal,

and electronic communication.

• Describe the administrative functions of a medical office.

• Demonstrate correct documentation in a medical record.

• Define types of information contained in a patient's medical record.

TEMA1030 - Medical Office II

General

Start Term
2025-2026

Subject Code
TEMA

Course Code
TEMA1030

Course Number
1030

Course Hours
60

Course Credits
2

Description
The Medical Office II course introduces students to the management of all aspects of medical office finances. Instruction includes diagnostic and procedural coding for insurance billing. Students will track claims reimbursement, process patient statements, and review fee collection processes.

Upon course completion, students will be able to:
• Describe how to use procedural, diagnostic, and HCPCS coding required for insurance

paperwork.

• Demonstrate professionalism in handling patient accounts and medical records.

• Describe banking and accounting procedures as related to the ambulatory care setting.

• Define healthcare insurance types, utilization, and guidelines.

TEMA1040 - Anatomy and Physiology

General

Start Term
2026-2027

Subject Code
TEMA

Course Code
TEMA1040

Course Number
1040

Course Hours
120

Course Credits
4

Description
The Anatomy and Physiology course is designed to familiarize the student with the plan and structure of the human body, its function under normal, healthy conditions, and an introduction to the bodys response to illness and disease. Instruction covers an overview of all organ systems, including diagnostic treatment modalities. Medical terms as they relate to the body and correct spelling and pronunciation are taught.

Upon course completion, students will be able to:
• Locate and label major organs and structures in the body systems.

• Identify and state the function of the major anatomical components of the human body.

• Describe common disorders associated with each major anatomical component.

• Identify common pathology related to each body system.

TEMA1050 - Pharmacology

General

Start Term
2026-2027

Subject Code
TEMA

Course Code
TEMA1050

Course Number
1050

Course Hours
90

Course Credits
3

Description
The Pharmacology course familiarizes the student with pharmaceuticals. Instruction includes commonly prescribed medications, trade and generic names, mode of action, side effects, and usual doses. Concepts covered include the proper administration of oral, injectable, and non-injectable medications. There will be a review of the math skills required to perform medical math conversions and dosage calculations.

Upon course completion, students will be able to:
• Demonstrate calculation of basic mathematical concepts and units of measurement as related to

the ambulatory care setting.

• Describe commonly prescribed medications uses, names, classifications, and risks.

• List and explain the rights of medication administration.

• Identify and interpret common medication abbreviations.

• Demonstrate the proper handling and administration of prescriptions and medications.

TEMA1060 - Clinical Procedures

General

Start Term
2026-2027

Subject Code
TEMA

Course Code
TEMA1060

Course Number
1060

Course Hours
60

Course Credits
2

Description
The Clinical Procedures course is an introduction to working in an ambulatory outpatient clinic setting, understanding the role of a medical assistant and patient care. The content of this course will focus on infection control, medical asepsis, taking patient histories, performing patient assessments including vital signs, and preparing for and assisting the provider with examinations.

Upon course completion, students will be able to:
• Identify how infectious and communicable diseases and transmissions relate to the healthcare

setting per federal, state, and local health laws regulations and recommendations.

• Explain the purpose of obtaining patient's health information and how to elicit different aspects of

the chief medical complaint.

• Accurately identify, measure, and record vital signs.

• Define the normal ranges and values for each vital sign.

• Interpret the medical assistant’s role in preparing and assisting in the physical exam.

TEMA1130 - Intermediate Lab I

General

Start Term
2026-2027

Subject Code
TEMA

Course Code
TEMA1130

Course Number
1130

Course Hours
60

Course Credits
2

Description
The Intermediate Lab I course is designed to help the medical assisting student understand the importance of and respond to office emergencies and properly perform routine procedures in the medical office.

Upon course completion, students will be able to:
• Demonstrate visual, auditory exams.

• Successfully perform capillary punctures and their corresponding tests.

• Demonstrate medical assisting skills as pertaining to assisting with minor surgery.

• Describe and demonstrate proper actions for emergencies in the office. For example: first aid,

bandaging, CPR, developing emergency plans, hypothermia, choking.

• Explain the different types of rehabilitation procedures and proper mechanics.

TEMA1140 - Advanced Lab II

General

Start Term
2025-2026

Subject Code
TEMA

Course Code
TEMA1140

Course Number
1140

Course Hours
90

Course Credits
3

Description
In the Advanced Lab II course, the student will learn advanced skills needed in the physician office laboratory. These include respiratory procedures, laboratory safety measures, venipuncture, basic diagnostic testing, ECGs and Holter monitoring, and preparing for minor surgical assisting.

Upon course completion, students will be able to:
• Perform respiratory testing including spirometry, peak flow meter, and nebulizer.

• Identify and comply with safety regulations in the office lab.

• Identify venous vasculature and perform venipuncture for the collection of patient specimens

using the appropriate collection methods and equipment.

• Perform basic homological testing including hemoglobin, hematocrit, blood glucose, erythrocyte

sedimentation rate, cholesterol, A1C, mono testing and PKU screening.

• Perform and ECG and troubleshoot potential artifacts.

• Prepare a sterile field, perform a surgical hand scrub and sterile gloving, and prepare the patient’s

skin for a minor surgical procedure.

TEMA1520 - Specialty Patient Care and Treatment

General

Start Term
2025-2026

Subject Code
TEMA

Course Code
TEMA1520

Course Number
1520

Course Hours
60

Course Credits
2

Description
In the Specialty Patient Care and Treatment course the student will learn about and perform procedures directed at specific types of patient examinations. These include proctological exams, OB/GYN exams, pediatric exams and collecting and processing specimens collected during these exams. Additionally, medical assisting students will learn the basics in preparing for IV placement.

Upon course completion, students will be able to:
• Practice the proper placement and care of an IV catheter.

• Demonstrate how to assist with flexible sigmoidoscopy including care of the scope.

• Identify the types of gynecological exams, types of specimens collected and the proper assisting

techniques.

• Perform basic pediatric exams including head circumference, chest circumference, pediatric

vitals, and filling out a growth chart.

• Identify pediatric vaccination schedules and perform pediatric vision screening.

• Perform basic diagnostic testing including urine collection and examination, pregnancy, occult

blood, fecal, sputum, throat culture and rapid strep testing.

TEMA1530 - Specialty Exams and Office Management

General

Start Term
2025-2026

Subject Code
TEMA

Course Code
TEMA1530

Course Number
1530

Course Hours
60

Course Credits
2

Description
The Specialty Exams and Office Management course is designed to introduce the student to the basic care and treatment of geriatric patients and issues that arise from aging and understanding and assisting patients dealing with mental health issues. Additional topics include the specialty of radiology testing and how it assists with diagnosing patients, and nutrition and exercise and its effects on the overall health of a patient. Students will also learn about the importance of practicum experience and how to manage a medical office.

Upon course completion, students will be able to:
• Identify geriatric exams and specific practices that must be followed to keep a geriatric patient

safe and understand issues unique to aging and care of aging patients.

• Exhibit an understanding of mental health issues and the effect they have of patient health and

care and understand the medical assistant’s role in treatment options related to suicide,

substance abuse and mental disorders.

• Identify specific radiological procedures and how they assist with the diagnosing and treatment of

patients.

• Identify the components of a healthy lifestyle and assist patients in learning about lifestyle

changes and dietary needs when it comes to the disease process.

• Understand the purpose of the practicum and the steps needed to complete one successfully.

• Identify the fundamentals of employee and facility management in a medical office.

TEMA1900 - Medical Assistant Externship I

General

Start Term
2025-2026

Subject Code
TEMA

Course Code
TEMA1900

Course Number
1900

Course Hours
90

Course Credits
2

Description
The Medical Assistant Externship I course allows the medical assistant student the opportunity to demonstrate their administrative and clinical skills in a healthcare setting. This externship takes place in a working medical office or clinic under the supervision of a licensed provider.

Upon course completion, students will be able to:
• Demonstrate competency of skills learned in the classroom and lab in the ambulatory healthcare

setting.

• Work effectively in diverse workplace environments.

• Acquire additional interpersonal communication and interaction skills.

• Successfully complete required externship hours in an ambulatory healthcare setting.

TEMA1910 - Medical Assistant Externship II

General

Start Term
2025-2026

Subject Code
TEMA

Course Code
TEMA1910

Course Number
1910

Course Hours
90

Course Credits
2

Description
The Medical Assistant Externship I course allows the medical assistant student the opportunity to demonstrate their administrative and clinical skills in a healthcare setting. This externship takes place in a working medical office or clinic under the supervision of a licensed provider.

Upon course completion, students will be able to:
• Demonstrate competency of skills learned in the classroom and lab in the ambulatory healthcare

setting.

• Work effectively in diverse workplace environments.

• Acquire additional interpersonal communication and interaction skills.

• Successfully complete required externship hours in an ambulatory healthcare setting.

TEMC1020 - Introduction to Medical Coding and Billing

General

Start Term
2026-2027

Subject Code
TEMC

Course Code
TEMC1020

Course Number
1020

Course Hours
30

Course Credits
1

Description
The Introduction to Medical Coding and Billing course starts with a new student orientation and an outline of the Medical Coding and Billing course and program policies. Students complete assignments in Word and Excel that are essential for the workplace. Students create a cover letter and current resume.

Upon course completion, students will be able to:
• Review and acknowledge Mountainland Technical College (MTECH) and classroom policies.

• Demonstrate how to use Canvas and MTECH Student Portal.

• Attach and upload files to a USB or Google Storage.

• Demonstrate basic skills of formatting text, copy, cut, adjust line spacing, spell check, find and replace option and printing in Word.

• Demonstrate basic skills of formatting cells, sorting columns, use the sum, average, and find function in Excel.

• Search for online employment opportunities and understand the skills and knowledge required for employment.

• Produce a cover letter and resume.

TEMC1051 - Medical Insurance Billing I

General

Start Term
2025-2026

Subject Code
TEMC

Course Code
TEMC1051

Course Number
1050

Course Hours
60

Course Credits
2

Description
The Medical Insurance Billing I course is designed to provide the student with advanced skills necessary to perform and understand current processes regarding medical billing and collection concepts, regulations, and guidelines.

Upon course completion, students will be able to:
• Identify the background and importance of accurate insurance claims submissions, coding and billing.

• Differentiate between professional ethics and medical etiquette.

• Identify instances when an employer, an employee or independent contractor can be liable when billing for medical services.

• Demonstrate understanding of Privacy, Security and HIPAA in a healthcare setting.

• Explain Medical Necessity as it relates to National Correct Coding Initiative (NCCI/CCI).

• Recognize various health Insurance models and explain best practices and tools for ensuring accurate and timely submission of medical claims for payment.

• Explain the impact of coding compliance, clinical documentation improvement (CDI), and coding for necessity.

TEMC1060 - Medical Insurance Billing II

General

Start Term
2025-2026

Subject Code
TEMC

Course Code
TEMC1060

Course Number
1060

Course Hours
90

Course Credits
3

Description
Medical Insurance Billing II provides students with advanced skills to perform and understand current processes regarding billing and collection concepts, regulations, and guidelines. Upon completion of this course, students will apply correct billing concepts and demonstrate understanding of the medical claim life cycle.

Upon course completion, students will be able to:
• Explain Insurance carrier processing and payment received.

• Identify major health insurance models and payers.

• Construct a claim form.

• Explain information about major insurance Programs and federal health care legislation.

• Identify revenue cycle management concepts.

• Recognize hospital facility billing concepts and reimbursement methodology.

TEMC1070 - Medical Office Software

General

Start Term
2025-2026

Subject Code
TEMC

Course Code
TEMC1070

Course Number
1070

Course Hours
60

Course Credits
2

Description
The Medical Office Software course is designed to provide the student with hands on experience using practice management software comparable to the software used in medical offices today and basic knowledge of electronic health records (EHR).

Upon course completion, students will be able to:
• Identify the purpose for using a medical practice management system, and how legislation affects health information technology and medical practice management programs.

• Demonstrate how to use the administrative functions of a medical practice management software program.

• Demonstrate how to use the financial functions of a medical practice management software program.

TEMC1110 - Coding I

General

Start Term
2026-2027

Subject Code
TEMC

Course Code
TEMC1110

Course Number
1110

Course Hours
90

Course Credits
3

Description
The Coding I course is designed to introduce students to the business side of medicine in the outpatient setting and provide the student with the skill and knowledge necessary to analyze and extract key information from the medical record to assign ICD-10-CM codes. This course also covers a detailed explanation of ICD-10-CM coding guidelines.

Upon course completion, students will be able to:
• Demonstrate correct code assignment using coding guidelines.

• Identify the correct diagnostic code (characters), using the guidelines, alphabetic index, and tabular list.

• Differentiate the information from patient chart notes and surgical notes to identify the diagnostic term(s).

• Select the correct coding sequence for billing purposes.

• Demonstrate understanding of the business side of medicine in the outpatient setting.

TEMC1121 - Coding II

General

Start Term
2026-2027

Subject Code
TEMC

Course Code
TEMC1121

Course Number
1120

Course Hours
90

Course Credits
3

Description
The Coding II course is a continuation of Coding I. This course is designed to provide the student with the knowledge and skills essential to evaluate and extract significant information from the medical record and to assign the correct CPT, HCPCS, modifiers and diagnostic codes to the medical claim. This course also covers a detailed explanation of CPT coding concepts and guidelines.

Upon course completion, students will be able to:
• Describe key components and common pathologies of the skin, hair, nails, and breasts.

• Analyze procedures and surgeries as they relate to the skin, hair, nails, and breasts.

• Describe the components and common pathologies of the musculoskeletal system.

• Analyze orthopedic surgeries and how they relate to pathological conditions.

• Describe basic anatomy and functions of the respiratory system. • Review diagnoses common to the respiratory system.

• Identify HCPCS Level II codes and guidelines as they apply to the respiratory system, the hemic and lymphatic systems, and the mediastinum and diaphragm.

• Demonstrate appropriate use of modifiers.

TEMC1131 - Coding III

General

Start Term
2025-2026

Subject Code
TEMC

Course Code
TEMC1131

Course Number
1130

Course Hours
90

Course Credits
3

Description
The Coding III course is a continuation of Coding II. This course is designed to provide the student with the knowledge and skills essential to evaluate and extract significant information from the medical record and to assign the correct CPT, HCPCS, Modifiers and diagnostic codes to the medical claim. This course also covers a detailed explanation of CPT coding concepts and guidelines.

Upon course completion, students will be able to:
• Define key terms and common pathologies related to the cardiovascular system.

• Analyze cardiovascular procedures and surgeries, and where in CPT to locate relevant codes.

• Define and understand key terms and procedures associated with the digestive tract.

• Describe anatomy associated with procedures performed on the digestive tract.

• Describe basic anatomy and functions of the hemic and lymphatic systems, and the mediastinum and diaphragm.

• Review diagnoses common to the hemic and lymphatic systems, and the mediastinum and diaphragm.

• Assign appropriate CPT surgery codes from the digestive subsection.

• Describe the anatomy and function of the urinary system and male reproductive system.

• Demonstrate appropriate use of modifiers.

• Explain ICD-10-CM and HCPCS Level II codes and coding guidelines as they apply to the systems covered in this course.

TEMC1140 - Coding IV

General

Start Term
2025-2026

Subject Code
TEMC

Course Code
TEMC1140

Course Number
1140

Course Hours
90

Course Credits
3

Description
The Coding IV course is a continuation of Coding III. This course is designed to provide the student with the knowledge and skills essential to evaluate and extract significant information from the medical record and to assign the correct CPT, HCPCS, Modifiers, and diagnostic codes to the medical claim. This course also covers a detailed explanation of CPT coding concepts and guidelines.

Upon course completion, students will be able to:
• Identify anatomical concepts important to understand the endocrine and nervous systems.

• Analyze eye surgeries and ear surgeries and how they relate to the most common pathologies.

• Interpret anesthesia coding guidelines and determine when other services may be billed in conjunction with anesthesia.

• Describe anatomical planes, anatomical directions, and positioning in radiology.

• Define key terms associated with radiology and describe the use and coding of contrast material.

• Define terms and concepts specific to pathology and laboratory coding.

• Analyze E/M services and differentiate between a new patient and an established patient. Abstract a provider’s note to arrive at the level of service.

• Discuss diverse noninvasive or minimally invasive diagnostic and therapeutic services covering multiple specialties.

TEMC1230 - Medical Terminology and Anatomy I

General

Start Term
2026-2027

Subject Code
TEMC

Course Code
TEMC1230

Course Number
1230

Course Hours
90

Course Credits
3

Description
This course will introduce students to important word parts such as roots, prefixes and suffixes that provide a foundation for learning medical terms. This course is organized by body systems and begins with an overview of terminology associated with the body's structures and functions, continues through diseases and disorders, and ends with diagnostic procedures, treatments, and Pharmacology. Medical Terminology and Anatomy I covers the Integumentary, Muscular, Skeletal, Digestive, Urinary and Reproductive Systems.

Upon course completion, students will be able to:
• State the rules for word components that form medical terms including common prefixes, suffixes and root words as they pertain to each body system.

• Describe the rules for using singular and plural terms.

• Define medical words, abbreviations and acronyms.

• Interpret graphic symbols into their medical terms. • Describe the structural organization of the human body.

• Distinguish the location and function of anatomical terms.

• Identify body planes, directional terms, quadrants and cavities of the human body.

• Demonstrate steps to locate medical words using either a medical dictionary or an online resource.

TEMC1240 - Medical Terminology and Anatomy II

General

Start Term
2025-2026

Subject Code
TEMC

Course Code
TEMC1240

Course Number
1220

Course Hours
90

Course Credits
3

Description
This course is a continuation of Terminology & Anatomy I. The course is organized by body systems and begins with an overview of terminology associated with the body's structures and functions, continues through diseases and disorders, and ends with diagnostic procedures and treatments including Pharmacology, Medical Terminology and Anatomy II covers Respiratory, Cardiovascular, Lymphatic, Endocrine and Nervous Systems.

Upon course completion, students will be able to:
• List the location and function of anatomical terms for each body system.

• Describe the structural organization of the human body of each body system.

• Identify the anatomical location of major organs in each body system.

• Compare the structure and function of the human body across the lifespan.

• Describe the normal function of each body system. • Identify common pathology related to each body system.

• Recognize terms related to pathology and procedures for mental and behavioral health.

TEMC1410 - Communication for Health Care Professionals

General

Start Term
2026-2027

Subject Code
TEMC

Course Code
TEMC1410

Course Number
1410

Course Hours
60

Course Credits
2

Description
This course is designed to provide the student with successful therapeutic communication skills that are necessary in a healthcare setting.

Upon course completion, students will be able to:
• List six steps to successful professional communication.

• Compare professional, therapeutic, and social communications.

• Contrast verbal and nonverbal communication by using examples.

• Examine barriers to multicultural therapeutic communication.

• Describe examples of the negative and positive components of both the alternative and traditional therapies for medical care.

• List essential guidelines for therapeutic communication for each age group.

• Compare multiple therapeutic responses for clients who are angry, depressed or have addictive disorders.

• Identify cultural differences in life-altering illness, grief and death experiences.

TEMC1900 - Coding Certification Exam Prep

General

Start Term
2026-2027

Subject Code
TEMC

Course Code
TEMC1900

Course Number
1900

Course Hours
60

Course Credits
2

Description
The Coding Certification Exam Prep course prepares students to sit for a national coding certification. This comprehensive course covers all of the necessary information and skills required to pass the exam and become a certified medical coder. The course also includes practical exercises and mock exams to help students develop the coding skills and confidence needed to pass the exam.

Upon course completion, students will be able to:
• Explore the pre-review exam.

• Identify the elements of ICD-10 - CM, CPT, and HCPCS.

• Define relevant medical terminology and anatomy.

• Explain how to schedule an exam and maintain credentials.

TEMT1000 - Manufacturing Fundamentals

General

Start Term
2026-2027

Subject Code
TEMT

Course Code
TEMT1000

Course Number
1000

Course Hours
90

Course Credits
3

Description
The Manufacturing Fundamentals course introduces students to basic procedures and operations encountered in the machine shop and various manufacturing industries. Topics include essential safety practices, measuring and hand tools, pedestal grinding, and sawing operations.

Upon course completion, students will be able to:
• Identify safe practices in a machine shop.

• Identify appropriate PPE.

• Demonstrate environmental awareness.

• Identify correct clean-up procedures.

• Interpret a Safety Data sheet (SDS).

• Perform basic measurements with calipers and micrometers.

• Perform basic layout procedures.

• Identify basic hand tools and their usage.

• Perform basic mathematical calculations.

TEMT1050 - Advanced Manufacturing Fundamentals

General

Start Term
2026-2027

Subject Code
TEMT

Course Code
TEMT1050

Course Number
1050

Course Hours
90

Course Credits
3

Description
The Advanced Manufacturing Fundamentals course teaches students to interpret information on
blueprints used in manufacturing to machine parts within defined tolerances. Students will learn methods
used in inspecting parts to ensure parts are made to the print requirements.

Upon course completion, students will be able to:
• Apply tolerancing concepts and rules.

• Demonstrate how datums work.

• Demonstrate how features frames work.

• Interpret basic blueprint symbols, line types, and views.

• Analyze title blocks and apply the data to the inspection process.

• Describe the basic Geometric Dimensioning and Tolerance (GD&T) symbols.

• Properly use micrometers, calipers, and other gaging tools.

• Use Coordinate Measuring Machines and Optical Comparators.

TEMT1100 - Mill Concepts

General

Start Term
2026-2027

Subject Code
TEMT

Course Code
TEMT1100

Course Number
1100

Course Hours
90

Course Credits
3

Description
The Mill Concepts course introduces students to essential material cutting concepts using a milling
machine. Topics include clamping and locating work pieces; selecting cutting tools and holders; milling
speeds and feeds; cutting depth, width, and direction; part production; and inspection.

Upon course completion, students will be able to:
• Demonstrate safe operation of a milling machine.

• Demonstrate use of indicators relating to aligning, work holding, and figuring.

• Demonstrate proper machine maintenance and workstation cleanup.

• Demonstrate proper work-holding device selection and setup.

• Demonstrate efficient speeds and feeds for mill tooling.

• Perform accurate milling of pockets, windows, and slots.

• Perform accurate hole-forming, mill operations for size and location.

• Perform accurate angle milling.

• Create and evaluate milled surface finishes.

• Perform calculations needed to operate precision machines.

• Inspect and document finish dimension using various metrology.

TEMT1150 - CNC Mill Concepts

General

Start Term
2026-2027

Subject Code
TEMT

Course Code
TEMT1150

Course Number
1150

Course Hours
90

Course Credits
3

Description
The CNC Mill Concepts course introduces students to CNC milling. Topics include safety, CNC
terminology, preparing a CNC program, setup and operation of CNC milling machines, part production,
and inspection.

Upon course completion, students will be able to:
• Demonstrate proper work holding for CNC machining.

• Demonstrate basic CNC machine setup.

• Demonstrate setting program zero for CNC machines.

• Perform manual mode operation, edit mode, MDI (manual data input) and program operation mode.

• Perform calculations needed to operate machine.

• Apply recognition of program codes to CNC machine operation.

• Apply knowledge of motion commands of rapid positioning, linear interpolation, and circular interpolation.

• Apply proper feeds, speeds, and chip load to quality part production.

• Apply CSS (Constant Surface Speed) and constant RPM (Revolutions Per Minute).

• Perform necessary operations to load a program, set tool offsets, and set cutter or nose radius compensations.

• Demonstrate use of indicators relating to aligning work holding and figuring.

TEMT1200 - Lathe Concepts

General

Start Term
2026-2027

Subject Code
TEMT

Course Code
TEMT1200

Course Number
1200

Course Hours
90

Course Credits
3

Description
The Lathe Concepts course introduces students to essential material cutting concepts using a precision lathe machine. Topics include holding and locating work pieces; selecting cutting tools and holders; turning speeds and feeds; applying cutting depth, width, and direction; part production; and inspection.

Upon course completion, students will be able to:
• Demonstrate safe operation of a precision lathe machine.

• Demonstrate proper machine maintenance and workstation cleanup.

• Demonstrate proper tool selection and application. • Demonstrate proper work-holding device selection and setup.

• Demonstrate efficient speeds and feeds for lathe tooling.

• Perform accurate facing operations.

• Perform accurate turning operations.

• Perform accurate chamfer/taper turning operations.

• Perform accurate hole-forming operations for size and location.

• Perform accurate threading operations.

• Perform accurate knurling operations.

• Perform calculations needed to operate precision machine.

• Inspect and document finish dimension using various metrology.

TEMT1250 - CNC Lathe Concepts

General

Start Term
2026-2027

Subject Code
TEMT

Course Code
TEMT1250

Course Number
1250

Course Hours
90

Course Credits
3

Description
The CNC Lathe Concepts course introduces students to CNC turning. Topics include safety, CNC
terminology, preparing a CNC program, setup and operation of CNC turning machines, part production,
and inspection.

Upon course completion, students will be able to:
• Demonstrate proper work holding for CNC machining.

• Demonstrate basic CNC machine setup.

• Demonstrate setting program zero for CNC machines.

• Perform manual mode operation, edit mode, MDI (manual data input) and program operation mode.

• Apply recognition of program codes to CNC machine operation.

• Apply knowledge of motion commands of rapid positioning, linear interpolation, and circular interpolation.

• Apply proper feeds, speeds, and chip load to quality part production.

• Apply CSS (Constant surface speed) and constant RPM (Revolutions Per Minute).

• Perform necessary operations to load a program, set tool offsets, and set cutter or nose radius compensations.

• Perform calculations needed to operate machine.

TEMT1300 - CNC Mill Programming

General

Start Term
2026-2027

Subject Code
TEMT

Course Code
TEMT1300

Course Number
1300

Course Hours
90

Course Credits
3

Description
The CNC Mill Programming course teaches the fundamentals of CAD/CAM systems. Topics include
software operating systems, drawing commands, editing commands, tool-path generation, and posting a
program.

Upon course completion, students will be able to:
• Create basic 2D geometry construction.

• Modify existing geometry.

• Demonstrate 2-Axis toolpath generation.

• Perform basic 2D toolpath editing.

• Demonstrate how to post a program to create NC code.

• Inspect and document finish dimensions using various metrology.

• Create advanced 2D geometry construction.

• Create 2-1/2 D geometry construction.

• Perform advanced modification of existing geometry.

• Demonstrate advanced 2D toolpath editing.

• Generate process and toolpath planning.

• Verify calculations needed to operate the machine effectively to create an acceptable project based on print specification.

• Inspect and document finish dimension using various metrology.

TEMT1350 - CNC Lathe Programming

General

Start Term
2026-2027

Subject Code
TEMT

Course Code
TEMT1350

Course Number
1350

Course Hours
90

Course Credits
3

Description
The CNC Lathe Programming course teaches the fundamentals of CAD/CAM systems. Topics include software operating systems, drawing commands, editing commands, tool-path generation, and post a program.

Upon course completion, students will be able to:
• Create basic 2D geometry construction.

• Modify existing geometry.

• Demonstrate 2-Axis toolpath generation.

• Perform basic 2D toolpath editing.

• Demonstrate how to post a program file to create NC code.

• Create advanced 2D geometry construction.

• Perform advanced modification of existing geometry.

• Demonstrate advanced 2D toolpath editing.

• Perform calculations needed to operate precision machine.

• Verify calculations needed to operate the machine effectively to create an acceptable project based on print specification.

• Generate process and toolpath planning.

• Inspect and document finish dimension using various metrology.

• Generate toolpaths for CNC lathe.

TEMT1650 - Applied Manual Machining

General

Start Term
2026-2027

Subject Code
TEMT

Course Code
TEMT1650

Course Number
1650

Course Hours
90

Course Credits
3

Description
In the Applied Manual Machining course, students will learn to apply what they have been taught in the
previous courses to manufacturing various part assemblies. Topics will include reading and interpreting
prints and the use of machines to manufacture various parts and assemble them into a working
assembly.

Upon course completion, students will be able to:
• Operate manual lathes and milling machines.

• Properly use measuring tools to make the parts to the required tolerances.

• Make parts into working assemblies.

TEMT2300 - Multi-Axis

General

Start Term
2026-2027

Subject Code
TEMT

Course Code
TEMT2300

Course Number
2300

Course Hours
90

Course Credits
3

Description
Multi-Axis introduces CNC multi-axis machines. Topics include the procedures and practices for safe setup and operation of the machine, tool-holding and work holding selection, programming in CAD/CAM software for multi-axis machines, part production, and inspection.

Upon course completion, students will be able to:
• Identify the correct nomenclature of the machine.

• Create wireframe and solid models.

• Create additional planes for tool pathing.

• Perform 2D, 3D, 3+2, and full 5th axis tool pathing.

• Demonstrate solid model modification.

• Perform calculations needed to operate machines.

• Perform part setup and fixturing operations.

• Perform tool setup and set tool offsets.

• Demonstrate proving out a program safely.

TENA1110 - Nursing Assistant

General

Start Term
2026-2027

Subject Code
TENA

Course Code
TENA1110

Course Number
1110

Course Hours
90

Course Credits
3

Description
The Nursing Assistant course introduces students to basic nursing skills in a classroom and laboratory setting. This course includes 24 hours of clinical experience.

Upon course completion, students will be able to:
• Explain activities of daily living and nursing assistant scope of practice.

• Describe how critical criteria such as recognizing and reporting, communication, infection control, safety, and residents' rights are applied in the care setting.

• Demonstrate proficiency in all skills required for state certification.

TENA1200 - Comprehensive Skills Practice

General

Start Term
2026-2027

Subject Code
TENA

Course Code
TENA1200

Course Number
1200

Course Hours
30

Course Credits
1

Description
The Comprehensive Skills Practice course supplements practice of basic nursing skills to enable students to pass the requirements for state certification

Upon course completion, students will be able to:
Objectives:

• Certify in Basic Life Support for the Healthcare Provider through the American Heart Association.

• Certify in Heartsaver First Aid through the American Heart Association

• Demonstrate career readiness and soft skills to enter the workforce.

• Participate in additional hands-on practice and development.

TENA1900 - Nursing Assistant Clinicals

General

Start Term
2026-2027

Subject Code
TENA

Course Code
TENA1900

Course Number
1900

Course Hours
24

Description
The clinical course in which the student will observe and perform specific healthcare procedures in direct contact with a patient that may include personal care, patient bathing, bathroom assistance, or other types of contact with the body. This is completed under the direct supervision of a licensed nurse.

Upon course completion, students will be able to:
• Demonstrate the critical criteria (recognizing and reporting, communication, infection control, safety, and resident's rights) as applied in the care setting.

• Perform nursing assistant skills in a healthcare setting.

TENT1110 - Nail Technician I

General

Start Term
2025-2026

Subject Code
TENT

Course Code
TENT1110

Course Number
1110

Course Hours
120

Course Credits
4

Description
This course will explore the basic anatomy, skin and nail structure and growth, and recognize and prevent infections. You will study the fundamentals of manicures, pedicures, nail tips and wrap application, acrylic(s), gel(s), polish, and their applications.

Upon course completion, students will be able to:
• Demonstrate safe practices related to infection control, chemical products, and electrical equipment.

• Discuss the history of nail technology.

• Demonstrate sanitation procedures.

• Explain the importance of anatomy and physiology, skin and nail growth and structure, and nail diseases and disorders.

• Demonstrate natural nail care, including manicures and pedicures.

• Perform proper techniques and application of nail enhancements.

TENT1200 - Nail Technician II Clinical

General

Start Term
2025-2026

Subject Code
TENT

Course Code
TENT1200

Course Number
1200

Course Hours
90

Course Credits
2

Description
This course builds on the foundation skills learned in the previous course and provides additional instruction in nail services and art techniques. In addition, you will study work ethics, time management and essential business skills, licensing, and laws.

Upon course completion, students will be able to:
• Communicate effectively with your salon guests and coworkers.

• Demonstrate sanitation procedures.

• Demonstrate the proper natural nail care techniques, including state board required skills.

• Demonstrate the use and safety of industry equipment.

• Demonstrate proper techniques and application of nail enhancements.

TENT1401 - Nail Technician III

General

Start Term
2025-2026

Subject Code
TENT

Course Code
TENT1401

Course Number
1401

Course Hours
90

Course Credits
3

Description
Students will have the opportunity to practice Professional Development, Business skills and Advanced Nail techniques necessary to prepare for applications on the clinic floor. Students will prepare to pass the Utah State board examinations. Students will learn about business, employment, professionalism, sanitation, safety standards and creating a professional portfolio and resume. Students will also practice in current advanced nail trends, advanced nail art, nail shaping and techniques.

Upon course completion, students will be able to:
• Demonstrate proper state board procedures with regard to safety and sanitation.

• Practice salon process and etiquette.

• Demonstrate effective communication with students, faculty, and staff members Complete a state licensing practice exam.

• Demonstrate the use of electrical equipment and tools for the industry.

• Demonstrate and perform proper techniques acrylic, gels, tips, forms, wraps and advanced nail art.

• Create a professional portfolio including a resume, examples of salon services, and demonstration of Salon Business.

TEPH1015 - Phlebotomy

General

Start Term
2026-2027

Subject Code
TEPH

Course Code
TEPH1015

Course Number
1015

Course Hours
90

Course Credits
3

Description
In Phlebotomy, students learn about the past and present of phlebotomy practices, infection control, equipment, safety, the circulatory system, medical terminology, anatomy and physiology, preanalytical consideration, venipuncture, straights venipuncture, butterfly venipuncture, special collections, patient identification, and other relevant skills. Students also learn advanced phlebotomy procedures ensuring adequate knowledge and skills in their field. Students hone communication and phlebotomy skills, while practicing real-life scenarios in a controlled environment. Students explore phlebotomy jobs and prepare for employment by demonstrating learned skills.

Upon course completion, students will be able to:
• Identify laboratory, OSHA, hazardous material, blood borne pathogen exposures, warning symbols, infection

control, and patient safety rules.

• Identify and use laboratory equipment and computer systems.

• Demonstrate use of basic terminology for the healthcare setting, understand and utilize correct order of draw, and

explain the basics of human anatomy and physiology related to venipuncture.

• Draw blood correctly and safely from a patient by properly using equipment and supplies necessary while identifying

and adjusting for any challenges associated with the venipuncture.

• Obtain knowledge of advanced venipuncture procedures and identify when they are to be used.

• Correctly and safely perform blood draws from a patient by properly using any equipment and supplies necessary

while identifying and adjusting for any challenges associated with the venipuncture.

• Demonstrate communication skills appropriate for the phlebotomy industry.

• Discuss the employment requirements and career opportunities within the phlebotomy industry.

TEPH1020 - Phlebotomy II

General

Start Term
2026-2027

Subject Code
TEPH

Course Code
TEPH1020

Course Number
1020

Course Hours
30

Course Credits
1

Description
In Phlebotomy II, students learn advanced phlebotomy procedures ensuring adequate knowledge and skills in their field. Students hone communication and phlebotomy skills, while practicing real-life scenarios in a controlled environment. Students explore phlebotomy jobs and prepare for employment by demonstrating learned skills.

Upon course completion, students will be able to:
• Obtain knowledge of advanced venipuncture procedures and identify when they are to be used.

• Correctly and safely perform blood draws blood from a patient by properly using any equipment

and supplies necessary while identifying and adjusting for any challenges associated with the

venipuncture.

• Demonstrate communication skills appropriate for the phlebotomy industry.

• Discuss the employment requirements and career opportunities within the phlebotomy industry.

TEPL1110 - Plumbing IA

General

Start Term
2026-2027

Subject Code
TEPL

Course Code
TEPL1110

Course Number
1110

Course Hours
90

Course Credits
3

Description
The Plumbing IA course explores the secure and highly demanded profession of plumbing. The primary emphases include: the understanding and interpretation of the International Plumbing Code (IPC), blueprint reading, materials and requirements, practical mathematics required in plumbing, and other subject areas that are essential to the trade which are more conducive to the classroom setting than a work environment.

Upon course completion, students will be able to:
- Practice safety and the proper use of tools and leveling instruments.
- Define hydraulics and pneumatics.
- Interpret building and plumbing codes.
- Apply basic mathematics toward measurements, angles, slopes, and other plumbing related problems.
- Fabricate plumbing projects in a lab setting.

TEPL1120 - Plumbing IB

General

Start Term
2026-2027

Subject Code
TEPL

Course Code
TEPL1120

Course Number
1120

Course Hours
90

Course Credits
3

Description
The Plumbing IB course introduces the fundamentals of plumbing theory for the apprentice plumbers and will cover the International Plumbing Code, related math, and craft skills.

Upon course completion, students will be able to:
- Identify fixtures, faucets and fixture fittings, water heaters, traps, interceptors and separators.
- Develop basic skills needed to read drawings and produce piping sketches.
- Apply mathematics related to plumbing and angles.
- Implement the process of making watertight joints using heat and various filler metals.
- Define machine and hand excavating with emphasis on safety.
- Explain various types of pipe and fittings used in residential and light commercial plumbing systems.
- Fabricate several piping projects in a lab situation.

TEPL1210 - Plumbing IIA

General

Start Term
2026-2027

Subject Code
TEPL

Course Code
TEPL1210

Course Number
1210

Course Hours
90

Course Credits
3

Description
The Plumbing IIA course introduces the fundamentals of plumbing theory for the apprentice plumbers and covers the International Plumbing Code (IPC), related math, and craft skills.

Upon course completion, students will be able to:
- Describe water supply and distribution, sanitary drainage, indirect/ special waste, vents, traps, interceptors and separators, along with other basic fundamental plumbing components.
- Identify the many different fixtures designed for residential and small commercial buildings.
- Apply correct principles for designing Drainage, Waste, and Vent (DWV) and water supply systems that will provide long and satisfactory service.
- Describe how to determine the size of water supply piping.
- Define how to support and test both DWV and water supply systems.
- Explain R317-4 onsite wastewater systems.
- Fabricate several piping projects in a lab situation.

TEPL1220 - Plumbing IIB

General

Start Term
2026-2027

Subject Code
TEPL

Course Code
TEPL1220

Course Number
1220

Course Hours
90

Course Credits
3

Description
The Plumbing IIB course continues to explore the fundamentals of plumbing theory for the apprentice plumbers and covers the International Plumbing Code (IPC), related math, and craft skills.

Upon course completion, students will be able to:
- Explain storm drainage and special piping and storage systems.
- Calculate grade, percent grade, drop and run, and offsets.
- Cite proper construction and operation of private waste-disposal systems.
- Identify the basic components, design considerations, and installation techniques of swimming pools, hot tubs, and spas.
- Describe the components and materials used in lawn and garden irrigation systems.
- Troubleshoot, recognize, and repair problems associated with plumbing systems.
- Fabricate several piping projects in a lab situation.

TEPL1310 - Plumbing IIIA

General

Start Term
2026-2027

Subject Code
TEPL

Course Code
TEPL1310

Course Number
1310

Course Hours
90

Course Credits
3

Description
The Plumbing IIIA course continues to explore the fundamentals of plumbing theory for the apprentice plumbers and covers the International Plumbing Code (IPC), International Fuel Gas Code (IFGC) and International Mechanical Code (IMC), along with related math and craft skills.

Upon course completion, students will be able to:
• Identify materials detrimental to sewer systems.

• Determine protection of pipes and plumbing system components.

• Explain washroom and toilet room requirements.

• Describe specialty plumbing fixtures.

• Determine proper water heater, vents, and combustion air installation requirements as per the International Mechanical Code (IMC) and the International Fuel Gas Code (IFGC).

• Calculate combustion air, chimneys, and vent sizes.

• Determine volume of Rectangular Solids, Cylinders.

• Identify NPFA 13D residential fire sprinklers.

• Fabricate several piping projects in a lab situation.

TEPL1320 - Plumbing IIIB

General

Start Term
2026-2027

Subject Code
TEPL

Course Code
TEPL1320

Course Number
1320

Course Hours
90

Course Credits
3

Description
The Plumbing IIIB course introduces the fundamental Plumbing theory for the Apprentice Plumbers and covers the International Plumbing Code (IPC), International Fuel Gas Code and International Mechanical Code, along with related math and craft skills.

Upon course completion, students will be able to:
• Calculate size of fuel piping and fuel-gas piping.

• Describe vents and commercial/industrial application.

• Describe indirect/special waste and commercial/industrial application.

• Calculate size of water supply and distribution review and commercial/industrial applications.

• Identify special piping and storage systems.

• Explain Utah Amendments and R617-4.

• Fabricate several piping projects in a lab situation.

• Calculate sizing of various water and drain piping systems.

TEPL1410 - Plumbing IVA

General

Start Term
2026-2027

Subject Code
TEPL

Course Code
TEPL1410

Course Number
1410

Course Hours
90

Course Credits
3

Description
The Plumbing IVA course reviews the International Plumbing Code (IPC), International Fuel Gas Code and International Mechanical Code, math, and other laws in preparation for taking the journeyman state test.

Upon course completion, students will be able to:
• Define all chapters of the International Plumbing Code.

• Apply mathematics related to plumbing, angles, rolling offsets and pipe lengths.

• Explain storm drainage and commercial/industrial application for sizing roof drains.

• Explain International Mechanical Code for general, combustion air, boilers, and hydronics.

• Discuss Utah Amendments to the Code.

• Identify National Fire Protection Association (NFPA) 13D residential fire sprinklers.

• Explain R317-4 onsite wastewater.

• Fabricate several piping projects in a lab situation.

TEPL1420 - Plumbing IVB

General

Start Term
2026-2027

Subject Code
TEPL

Course Code
TEPL1420

Course Number
1420

Course Hours
90

Course Credits
3

Description
The Plumbing IVB course assists the apprentices in passing the state test and provides a foundation for success as a journeyman plumber. A variety of modules are available for the student to work from, with a focus on what each individual student needs in order to prepare for the test.

Upon course completion, students will be able to:
• Review International Plumbing Code (IPC) chapters.

• Apply mathematics for plumbers and pipefitters.

• Use International Fuel Gas Code for gas pipe installation and sizing.

• Define traps and commercial applications.

• Explain storm drainage and commercial/industrial applications.

• Identify boilers, water heaters, and pressure vessels.

• Perform applied trade formulas using different equations.

• Calculate heat loss vs. radiator size.

• Determine radiation sizing for total heat loss of a room.

• Use Journeyman skills such as takeoff lists, leadership skills, communication, and basic business skills.

• Fabricate several piping projects in a lab situation.

TEPN1010 - Fundamentals of Nursing Practice

General

Start Term
2026-2027

Subject Code
TEPN

Course Code
TEPN1010

Course Number
1010

Course Hours
120

Course Credits
4

Description
Fundamentals of Nursing Practice is a comprehensive, introductory course designed for practical nursing students to develop essential skills and foundational knowledge necessary for delivering competent, safe, effective, and compassionate client care.

Upon course completion, students will be able to:
1. Apply all components of the nursing process including assessment, diagnosis, planning, implementation, and evaluation.
2. Articulate the hierarchy of human needs and how to prioritize client care.
3. Apply the nursing process and critical thinking skills in the delivery of safe, quality, and client-centered nursing care.
4. Demonstrate the principles of medical and surgical asepsis to prevent and/or control the spread of infection.
5. Demonstrate basic nursing skills that are based on client values, clinical expertise, and current evidence and research.
6. Demonstrate therapeutic communication, cultural sensitivity, and respect while providing individualized care to all clients and their families.
7. Utilize an electronic health record to plan and document client care.
8. Show effective communication with the interdisciplinary healthcare team to plan and implement holistic care that meets the individualized needs of the client and their families.
9. Apply the scope of practice of the licensed practical nurse in the state in which the LPN will be practicing.
10. Demonstrate the importance of professionalism, leadership, client advocacy, and continual education in the field of nursing.

TEPN1100 - Medical-Surgical Nursing Care

General

Start Term
2026-2027

Subject Code
TEPN

Course Code
TEPN1100

Course Number
1100

Course Hours
120

Course Credits
4

Description
This course builds on nursing fundamentals, focusing on care of individuals with varied medical and surgical needs, addressing etiology, symptoms, and management. Applying anatomy, physiology, and preventive care principles through evidence-based practices and the nursing process. The curriculum emphasizes critical thinking, holistic approaches, therapeutic communication, and adherence to professional standards to deliver individualized client care.

Upon course completion, students will be able to:
1. Employ evidence-based, client-centered nursing interventions when caring for the adult client experiencing a medical or surgical condition.
2. Prioritize nursing interventions based on the assessment findings, diagnostic testing, and individual needs of the medical/surgical client.
3. Verify the pathophysiology, etiology, assessment findings, diagnostic testing, and treatments for a variety of medical/surgical conditions that affect the adult client.
4. Take part in therapeutic communication with the interdisciplinary healthcare team in order to provide medical, surgical, and nursing interventions for a variety of conditions that affect the adult client.
5. Devise an appropriate and effective teaching plan to support safety and understanding of the client’s individualized needs based on their medical or surgical condition, cultural beliefs, and client values.
6. Practice cultural sensitivity and respect while safely and competently performing basic nursing skills as appropriate to the adult client with a medical or surgical condition.
7. Utilize an electronic health record when planning and providing care for the adult client.
8. Apply the principles of safety and infection control to prevent the spread of pathogens in the adult population.

TEPN 1140 - Lab and Simulation I

General

Start Term
2026-2027

Subject Code
TEPN

Course Code
TEPN 1140

Course Number
1140

Course Hours
120

Course Credits
4

Description
This course is designed to allow students to practice foundational nursing skills and tasks such as head-to-toe assessment, focused assessments, sterile field procedures, safe medication administration, and therapeutic communication in the laboratory and simulation settings. Students will learn how to identify normal versus abnormal assessment data, document and communicate patient conditions, and apply concepts of quality and safety in the care of patients to meet basic human needs. Students will demonstrate application of knowledge and skills learned from foundational courses.

Upon course completion, students will be able to:
1. Utilize an electronic health record to plan and document client care.
2. Demonstrate basic nursing skills that are based on client values, clinical expertise, and current evidence and research.
3. Demonstrate the nursing process and critical thinking skills used in the delivery of safe, quality, and client-centered nursing care.
4. Develop therapeutic communication techniques with the interdisciplinary healthcare team to plan and implement holistic care that meets the individualized needs of the client and their families.
5. Utilize the principles of medical and surgical asepsis to prevent and/or control the spread of infection.
6. Utilize the SBAR to communicate effectively with other members of the healthcare team.

TEPN1200 - Introduction to Nursing Pharmacology

General

Start Term
2026-2027

Subject Code
TEPN

Course Code
TEPN1200

Course Number
1200

Course Hours
60

Course Credits
2

Description
Introduction to Nursing Pharmacology provides a fundamental understanding of pharmacology. This course covers the essential concepts of pharmacokinetics, pharmacodynamics, dosage calculations, and the nursing process to ensure effective client care. Teaching focuses on the safe administration of medications, major drug classifications, adverse effects, and nursing interventions.

Upon course completion, students will be able to:
1. Practice the basic concepts of pharmacology as found in current evidence-based practice.
2. Calculate medication dosages accurately to ensure client safety.
3. Articulate common drug classifications and common drugs within each classification.
4. Compare and contrast the actions, uses, contraindications, precautions, interactions, general side effects, and adverse reactions of common drugs.
5. Practice ways to safely administer drugs and monitor and manage side effects and/or adverse reactions of common drugs.
6. Implement how the electronic healthcare record can be utilized to increase client safety.
7. Practice client teaching and individualized care of the client receiving drug therapy to promote optimal response.
8. Demonstrate the necessary skills to provide effective communication concerning medication administration among members of the interdisciplinary healthcare team.
9. Compare and contrast the pathophysiology, etiology, assessment findings, nursing interventions, and pharmacological treatments for a variety of conditions.
10. Utilize computer-assisted technology as a resource in researching the principles of pharmacology to ensure safe medication administration practices.

TEPN1300 - Comprehensive Mental Health Nursing

General

Start Term
2026-2027

Subject Code
TEPN

Course Code
TEPN1300

Course Number
1300

Course Hours
60

Course Credits
2

Description
This course introduces essential mental health nursing concepts, emphasizing therapeutic communication to build strong nurse-client relationships. Students will learn to recognize and manage common mental health conditions using evidence-based interventions. The course prioritizes individualized, person-centered care, considering cultural and psychosocial factors, preparing students to deliver empathic, holistic care across the lifespan.

Upon course completion, students will be able to:
1. Demonstrate professional accountability and integrity by applying evidence-based practices, theoretical perspectives, and current standards in the delivery of safe, quality care for the client with a mental health disorder.
2. Demonstrate how the nursing process is used to guide and implement individualized care for the client with a mental health disorder and/or a client in crisis.
3. Articulate the different physical, mental, emotional, and spiritual issues that affect the client and family of a client with a mental health disorder and the importance of providing holistic nursing care.
4. Demonstrate techniques used in therapeutic communication, cultural sensitivity, and respect when providing care to the client with a mental health disorder.
5. Show effective communication with the interdisciplinary healthcare team to plan and implement holistic care that meets the individualized needs of the client with a mental health disorder and their family.
6. Solve ethical and legal issues relevant to the care of a client with a mental health disorder.
7. Examine different treatment modalities for the client with a mental health disorder.
8. Apply the importance of creating a therapeutic environment for the client with a mental health disorder.
9. Utilize an electronic health record to plan and document client care.
10. Compare and contrast physical and psychological growth and developmental milestones for infants, children, and adolescents, with implications for nursing care.

TEPN1440 - Care of Women and Children

General

Start Term
2026-2027

Subject Code
TEPN

Course Code
TEPN1440

Course Number
1440

Course Hours
90

Course Credits
3

Description
This course provides foundational knowledge and skills for caring for maternity, newborn, and pediatric patients. Students explore the role of the family in pediatric care, ethical-legal considerations, and safety concerns. In Maternal Newborn (MNB), students learn perinatal nursing, focusing on pregnancy, labor, delivery, postpartum care, and the maternal-newborn relationship. In Pediatrics (PEDS), students study pediatric assessment, growth and development, health promotion, and nursing care for uncomplicated medical and surgical conditions. Emphasis is placed on developmental needs, patient-centered care, and the LPN's scope of practice in maternal-newborn and pediatric healthcare settings.

Upon course completion, students will be able to:
Demonstrate proficiency in the following Course Concepts:

Articulate the concepts of reproductive health, including preventative health care, puberty, family planning, sexually transmitted infections, and menopause.

Focus on evidence-based practice and individualized care when teaching the maternal or pediatric client and their families.

Differentiate the different types of birth control including natural, non-hormonal, barrier, and hormonal birth control methods.

Distinguish between normal and abnormal conditions that occur during pregnancy, labor and delivery, and the postpartum period, utilizing evidence-based practice and current research.

Evaluate the pathophysiology, etiology, assessment findings, diagnostic testing, and treatments for conditions that occur during pregnancy, labor and delivery, and the postpartum period.

Evaluate the pathophysiology, etiology, assessment findings, diagnostic testing, and treatments for conditions experienced by the pediatric client.

Take part in therapeutic communication with members of the interdisciplinary healthcare team to provide culturally-sensitive, client-centered care to maternal or pediatric clients and their families.

Utilize an electronic health record to plan and document client care across the lifespan.

Practice cultural sensitivity and respect while safely and competently performing basic nursing skills as appropriate to the maternal or pediatric client.

Calculate medication dosages accurately to ensure safety of the pediatric client.

Articulate the PN scope of practice and possible legal/ethical issues in the areas of maternity and pediatric nursing.

TEPN2140 - Lab and Simulation II

General

Start Term
2026-2027

Subject Code
TEPN

Course Code
TEPN2140

Course Number
2140

Course Hours
90

Course Credits
3

Description
This course is designed to allow students to practice foundational nursing skills and tasks such as head-to-toe assessment, focused assessments, sterile field procedures, safe medication administration, and therapeutic communication in the laboratory and simulation settings. Students will learn how to identify normal versus abnormal assessment data, document and communicate patient conditions, and apply concepts of quality and safety in the care of patients to meet basic human needs. Students will demonstrate application of knowledge and skills learned from the foundational courses.

Upon course completion, students will be able to:
1. Utilize an electronic health record to plan and document client care.
2. Prioritize basic nursing interventions that are based on client values, clinical expertise, and current evidence and research.
3. Take part in using therapeutic communication techniques with members of the interdisciplinary healthcare team to plan and provide client-centered care that meets the individualized needs of the client and their families.
4. Differentiate the pathophysiology, etiology, assessment findings, diagnostic testing, and treatments for conditions experienced by the lifespan of all ages.
5. Apply the principles of safety and infection control to prevent the spread of pathogens across the lifespan.
6. Practice cultural sensitivity and respect while safely and competently performing basic nursing skills as appropriate across the lifespan.

TEPN2240 - Pharmacology II

General

Start Term
2026-2027

Subject Code
TEPN

Course Code
TEPN2240

Course Number
2240

Course Hours
60

Course Credits
2

Description
This course is a continuing introduction to basic pharmacology for a licensed practical nurse. Drugs are presented within the major drug classifications along with general drug actions, common adverse reactions/side effects, contraindications, precautions, and interactions. The nursing process is used as a framework for care of the patient receiving drug therapy to promote an optimal response. Emphasis is placed on dosage calculation, safe administration, how to monitor and manage adverse reactions/side effects, and patient teaching as it relates to the drug and the drug regimen. Major drug classifications include cancer, cardiac, respiratory, immune system, neurological, endocrine, and musculoskeletal medications.

Upon course completion, students will be able to:
Upon completion of this course, students will be able to:

1. Calculate medication dosages accurately to ensure client safety.
2. Correlate common drug classifications and common drugs within each classification.
3. Compare and contrast the uses, contraindications, precautions, interactions and general side effects and adverse reactions of common drugs.
4. Focus on current evidence-based practice to safely administer drugs and monitor and manage side effects and/or adverse reactions of common drugs.
5. Utilize the electronic healthcare record to increase client safety.
6. Practice client teaching, providing individualized care of the client receiving drug therapy and promoting an optimal response.
7. Take part in effective communication concerning medication administration among members of the interdisciplinary healthcare team.
8. Evaluate the pathophysiology, etiology, assessment findings, nursing interventions, and pharmacological treatments for a variety of conditions.

TEPN2940 - Clinical I

General

Start Term
2026-2027

Subject Code
TEPN

Course Code
TEPN2940

Course Number
2940

Course Hours
90

Course Credits
2

Description
This course is designed to introduce students to nursing practice in the clinical setting. Students will demonstrate application of knowledge and skills learned from the foundational courses. Students will further develop skills in critical thinking and clinical judgment as they apply the principles of the nursing process, effective communication with patients, their family members, and other healthcare professionals, and implement therapeutic nursing interventions.

Upon course completion, students will be able to:
1. Perform standardized protocols and safety measures used to ensure quality client care
2. Demonstrate use of evidence-based practice in providing care and education to assigned clients
3. Execute basic nursing skills that are based on client values, clinical expertise, and current evidence and research
4. Show effective communication with the interdisciplinary healthcare team to plan and implement holistic care that meets the individualized needs of the client and their families.
5. Utilize an electronic health record when planning and providing care for the client.

TEPN2941 - Clinical II

General

Start Term
2026-2027

Subject Code
TEPN

Course Code
TEPN2941

Course Number
2941

Course Hours
90

Course Credits
2

Description
This course is designed to further student’s clinical judgment and critical thinking skills in the clinical setting. Student will demonstrate application of knowledge and skills learned both in the first semester of study in addition to the knowledge and skills they are learning in didactic courses.

Upon course completion, students will be able to:
1. Participate as a member of the health care team and client advocate while providing safe, quality care to clients of all ages.
2. Demonstrate clinical judgment and participate in the evaluation of outcomes when providing care to clients across the lifespan.
3. Focus on evidence-based practice and individualized care when teaching client's and their families.
4. Practice health education and safety needs of childbearing women and newborns, children, young adults, aging adults, and their families, as well as behaviors used to reinforce education.
5. Utilize an electronic health record when planning and providing care for the client

TEPT1010 - Introduction to Pharmacy

General

Start Term
2026-2027

Subject Code
TEPT

Course Code
TEPT1010

Course Number
1010

Course Hours
90

Course Credits
3

Description
This course serves as an introduction to the pharmacy technician profession, pharmacy technician roles, and the different types of pharmacies within the healthcare delivery system. Students are introduced to state and federal pharmacy practice laws, and the pharmacists' patient care process. Students learn the concepts of pharmacology, medications, and calculations needed to ensure patient safety.

Upon course completion, students will be able to:
• Compare and contrast the pharmacy technician’s role, pharmacist’s role, and other occupations

in the healthcare environment.

• Describe and apply state and federal laws pertaining to pharmacy practice.

• Recognize and apply the pharmacists' patient care process.

• Relate the basic history of pharmacy to today's pharmacy practice.

• Demonstrate the technicians' role in the medication use process.

TEPT1100 - Community Pharmacy Practice

General

Start Term
2026-2027

Subject Code
TEPT

Course Code
TEPT1100

Course Number
1100

Course Hours
90

Course Credits
3

Description
This course teaches the skills necessary for working in community pharmacy settings. Students perform hands-on skill simulations including data entry, prescription processing, billing, fulfillment, inventory management, customer service, and patient safety.

Upon course completion, students will be able to:
• Identify the most utilized drugs by brand and generic name and their indications.

• Recognize common drug interactions.

• Perform essential duties and functions of a pharmacy technician in a community pharmacy.

• Describe major trends, issues, goals, and initiatives taking place in the pharmacy profession.

• Initiate, verify, and manage billing for complex and/or specialized pharmacy services and goods.

• Apply interpersonal skills, including negotiation skills, conflict resolution, customer service,

communicating patient safety, and teamwork.

TEPT1110 - Institutional Pharmacy Practice

General

Start Term
2026-2027

Subject Code
TEPT

Course Code
TEPT1110

Course Number
1110

Course Hours
90

Course Credits
3

Description
This course teaches the skills necessary for working in institutional pharmacy settings. Students will utilize hands-on skill simulations of institutional pharmacy responsibilities including sterile compounding and aseptic technique, hazardous drug management, unit dosing and dispensing, patient safety, and communication with hospital staff.

Upon course completion, students will be able to:
• Practice and adhere to effective infection control procedures.

• Prepare compounded sterile preparations per applicable, current United States Pharmacopeia

chapters.

• Demonstrate knowledge of anatomy, physiology and pharmacology, and terminology relevant to

the pharmacy technician’s role.

• Perform essential duties and functions of a pharmacy technician in an institutional setting.

• Describe the different methods of drug delivery and administration within institutional settings.

• Practice patient safety and communication with hospital staff.

TEPT1910 - Pharmacy Technician Externship

General

Start Term
2026-2027

Subject Code
TEPT

Course Code
TEPT1910

Course Number
1910

Course Hours
180

Course Credits
4

Description
In this course, students will demonstrate their abilities to function as a pharmacy technician in industry settings. This experience takes place under the supervision of a pharmacist or an experienced pharmacy technician and includes a combination of skills-practice and evaluation.

Upon course completion, students will be able to:
• Assist pharmacists in collecting, organizing, and recording patient information.

• Maintain pharmacy facilities and equipment.

• Receive, process, and prepare prescriptions/medication orders.

• Demonstrate a respectful and professional attitude when interacting with diverse patient

populations and medical professionals.

• Participate in pharmacy compliance with professional standards and relevant legal, regulatory,

formulary, contractual, and safety requirements.

TERT1020 - Radiographic Anatomy and Procedures

General

Start Term
2026-2027

Subject Code
TERT

Course Code
TERT1020

Course Number
1020

Course Hours
90

Course Credits
3

Description
This course is designed to provide students with the knowledge and skills to take x-ray images of the chest, abdomen, upper limb, and shoulder. During this course students will practice taking x-rays, identifying anatomy and topical landmarks, and how to position the patient and the x-ray tube for each exam. Students will practice using post processing techniques when completing the entire process of start to finish when taking an x-ray.

Upon course completion, students will be able to:
• Demonstrate their anatomy and landmark knowledge of the chest, abdomen, upper limb, humerus, shoulder girdle.

• Simulate the routine and special positions and projections for the chest, abdomen, upper limb, and shoulder procedures in both the lecture and lab settings.

• Describe skeletal trauma and fracture terminology related to the chest, abdomen, upper limb, and shoulder girdle.

TERT1025 - Radiographic Procedures and Patient Care

General

Start Term
2026-2027

Subject Code
TERT

Course Code
TERT1025

Course Number
1025

Course Hours
120

Course Credits
4

Description
This course is designed to provide students with the knowledge and skills to take x-ray images of the chest, upper and lower limb, shoulder girdle, spine, skull, and podiatry exams. During this course students will practice taking x-rays, identifying anatomy and topical landmarks, and how to position the patient and the x-ray tube for each exam. Students will practice using post processing techniques when completing the entire process of start to finish when taking an x-ray.

Upon course completion, students will be able to:
• Demonstrate their anatomy and landmark knowledge of the chest, upper and lower limb, shoulder girdle, spine, skull.

• Simulate the routine and special positions and projections for the chest, upper and lower limb, shoulder girdle, spine, skull, and podiatry procedures in both the lecture and lab settings.

• Explain patient care procedures to be able to care for patients and their individual needs.

• Use medical terminology for body positions and imaging projections.

• Identify the safety protocols for each x-ray exam.

TERT1030 - Radiographic Imaging and Exposure Techniques

General

Start Term
2026-2027

Subject Code
TERT

Course Code
TERT1030

Course Number
1030

Course Hours
90

Course Credits
3

Description
This course is designed to introduce and teach students about x-ray imaging and exposure techniques. In this course, students will understand how x-rays are produced, the components of an x-ray tube, what the core techniques are, and how they produce a visible image. Students will also learn the basics of digital imaging and how to use the post processing techniques properly.

Upon course completion, students will be able to:
• Describe the components of an x-ray tube, beam and how x-rays are produced.

• Explain the properties and characteristics of x-rays.

• Identify the different types of image receptors and explain their propter use.

• Use the key features in the digital image process and in post processing.

TERT1035 - Radiographic Core

General

Start Term
2026-2027

Subject Code
TERT

Course Code
TERT1035

Course Number
1035

Course Hours
90

Course Credits
3

Description
This course is designed to teach students about x-ray imaging and exposure techniques, radiation protection, radiobiology, and radiographic physics. Students will learn how to use digital imaging techniques and post processing techniques in both the lab and in the classroom. This course will assist students in understanding the core methods of radiography.

Upon course completion, students will be able to:
• Describe the properties and characteristics of x-rays.

• Describe the equipment and components of an x-ray room.

• Demonstrate patient protection techniques to decrease the radiobiological risks.

• Demonstrate digital imaging and post processing techniques.

• Describe radiation physics and x-ray production circuits.

• Use the key features in the digital image process and in post processing.

TERT1050 - Patient Care

General

Start Term
2026-2027

Subject Code
TERT

Course Code
TERT1050

Course Number
1050

Course Hours
30

Course Credits
1

Description
This course is designed to provide students with the knowledge and skills that are necessary to perform exceptional care while working with patients in their clinical and job setting. Students will learn how to properly transfer patients, perform correct sterile techniques, communicate effectively, and use preventative measures for infectious diseases.

Upon course completion, students will be able to:
• List what the radiography technologist's role is and what standards they are expected to abide by.

• Maintain a professional attitude toward various patient populations with an ability to meet their individual needs including those of diverse ethnicity, religion, disability, gender, age, and sexual orientation.

• Use safety precautions and proper infection control procedures.

• Assess the patient's needs and demonstrate proper transportation techniques to the patient if needed.

• Describe sterile techniques that they will use during procedures in and out of surgery.

TERT1065 - Limited X-Ray Technician Clinicals

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT1065

Course Number
1065

Course Hours
135

Course Credits
3

Description
This course is designed for students to take their knowledge of what they learned in the classroom and laboratory and apply it to their clinical site. Students will position patients, use proper radiation protection techniques, and take x-rays under the supervision of the x-ray department staff. Students will learn the job of an X-ray technologist through real world experiences.

Upon course completion, students will be able to:
• Use proper radiation protection techniques during each x-ray exam.

• Execute x-ray imaging exams from start to finish under the direction of the x-ray department staff.

• Select technical factors to produce quality diagnostic images with the mindset of ALARA.

• Provide patient-centered care for all patients regardless of age, gender, disability, special needs, ethnicity, or culture.

• Pass off X-ray competencies for the chest, upper and lower limb, shoulder girdle, spine, skull.

TERT1070 - Radiography Clinicals I

General

Start Term
2026-2027

Subject Code
TERT

Course Code
TERT1070

Course Number
1070

Course Hours
270

Course Credits
6

Description
This course is designed for students to take their knowledge of what they learned in the classroom and laboratory and apply it to their clinical sites. Students will position patients, use proper radiation protection techniques, and take x-rays under the supervision of the x-ray department staff. Students will learn the job of an X-ray technologist through real world experiences.

Upon course completion, students will be able to:
• Use proper radiation protection techniques during each x-ray exam.

• Execute x-ray imaging exams from start to finish under the direction of the x-ray department staff.

• Select technical factors to produce quality diagnostic images with the mindset of ALARA.

• Pass off their X-ray Competencies for Chest, Abdomen, Upper Limb, and Shoulder Girdle.

TERT1110 - Radiology Physics

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT1110

Course Number
1110

Course Hours
30

Course Credits
1

Description
This course is designed to teach students about the physics of x-ray production. Students will learn about the characteristics of an x-ray beam, how it is created, and how they travel. Students will learn the different ways that X-ray photons interact with matter and how it can affect atoms and cells. Students will also learn how electrical circuits work and the different types of circuits used in the x-ray process.

Upon course completion, students will be able to:
• Explain the difference between AC and DC circuits.

• Identify and describe each part of the x-ray circuit and what it does.

• Demonstrate the creation process of the x-ray beam and how it travels through the x-ray tube.

• Describe the different ways that x-rays photons can interact with matter and the cause.

TERT1120 - Radiographic Anatomy and Procedures II

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT1120

Course Number
1120

Course Hours
90

Course Credits
3

Description
This course is designed to provide students with the knowledge and skills to take x-ray images of the lower extremities, spine, pelvis, and ribs along with practicing the exams from the semester before. During this course students will practice taking x-rays, identifying anatomy and topical landmarks, and how to position the patient and the x-ray tube for each exam. Students will practice using post processing techniques when completing the entire process of start to finish when taking an x-ray.

Upon course completion, students will be able to:
• Demonstrate their anatomy and landmark knowledge of the lower extremities, spine, pelvis, and ribs.

• Describe skeletal trauma and fracture terminology related to the lower extremities, spine, pelvis, and ribs.

• Explain the routine and special positions and projections for the lower extremities, spine, pelvis, and ribs procedures in the lab setting.

TERT1130 - Radiographic Imaging II

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT1130

Course Number
1130

Course Hours
60

Course Credits
2

Description
This course is designed to build upon the student's knowledge of imaging and exposure and enhance their skills as a student tech. Students will build upon their knowledge of how x-rays are created and manipulated with certain exposure values. Students will gain a better understanding of exposure techniques, digital imaging processes, automatic exposure control, and other post processing techniques. Students will practice these techniques during labs and will enhance their imaging skills.

Upon course completion, students will be able to:
Objectives:

• Explain scatter radiation and the purpose of grids.

• Describe the process of using AEC along with manual techniques and how it benefits their

patient.

• Demonstrate proficiency in the different imaging techniques and manipulation of techniques

increase during time spent in the lab.

• Use the specific formulas associated with image quality to make their images better.

TERT1140 - Radiographic Protection and Radiobiology

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT1140

Course Number
1140

Course Hours
30

Course Credits
1

Description
This course is designed to teach students about radiation protection methods and the effects that can happen from radiation exposure. Students will learn about beam filtration, beam restrictors, and patient consideration. Students will learn about the ALARA principles and the importance of time, distance, and shielding. Students will learn about dosimeters and how they monitor radiation levels. Students will also learn about the biological effects of radiation and how they can affect the body.

Upon course completion, students will be able to:
• Explain the ALARA principle and its relationship to time, distance, and shielding.

• Identify the biological effects that can happen due to radiation.

• Explain the difference between short- and long-term somatic effects.

• Describe the methods of filtration, beam restriction, and patient consideration.

• Demonstrate proper radiation protection techniques.

TERT1171 - Radiography Clinicals II

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT1171

Course Number
1171

Course Hours
270

Course Credits
6

Description
This course is designed for students to take their knowledge of what they have learned and are currently learning in the classroom and laboratory and apply it to their clinical sites. Students will position patients, use proper radiation protection techniques, and take x-rays under the supervision of the x-ray department staff. Students will also participate in other imaging exams, like fluoroscopy, surgery c-arm exams, and dexa scans. Students will learn the job of an X-ray technologist through real world experiences.

Upon course completion, students will be able to:
• Use proper radiation protection techniques during each x-ray exam.

• Execute x-ray imaging exams from start to finish under the direction of the x-ray department staff.

• Select technical factors to produce quality diagnostic images with the mindset of ALARA.

• Pass off their X-ray Competencies for lower extremities, spine, pelvis, and ribs.

TERT2010 - Radiography and Pediatric Pathology

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT2010

Course Number
2010

Course Hours
30

Course Credits
1

Description
This course is designed to teach students about the different pathology cases they may see during their clinicals. Students will learn how to help pediatric patients through their entire x-ray or imaging exam. Students will be able to identify different pathologies they will see on their imaging rotations.

Upon course completion, students will be able to:
• Describe techniques to help their pediatric patients through their exam.

• Demonstrate their knowledge of different pathology cases.

• Identify different pediatric and adult pathologies they may see in clinicals and what they learn in

class.

TERT2020 - Radiographic Anatomy & Procedures III

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT2020

Course Number
2020

Course Hours
60

Course Credits
2

Description
This course is designed to provide students with the knowledge and skills to take x-ray images of the upper and lower GI tract, urinary tract and biliary tract along with the skull, sinus, facial bones, and trauma x-ray views. During this course, students will practice taking x-rays, identifying anatomy and topical landmarks, and using the x-ray tube with correct post processing techniques.

Upon course completion, students will be able to:
• Demonstrate their anatomy and landmark knowledge of the upper and lower GI tract, urinary tract

and biliary tract along with the Skull, Sinus, Facial Bones, and trauma x-ray views.

• Explain the routine and special positions and projections for the Skull, Sinus, Facial Bones

procedures in the lab setting.

• Describe skeletal trauma and fracture terminology related to the Skull, Sinus, and Facial Bones.

TERT2030 - Alternate Modality and Sectional Anatomy

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT2030

Course Number
2030

Course Hours
60

Course Credits
2

Description
This course is designed to teach students about the different imaging modalities in the field of radiology and to give students a base understanding of cross section anatomy. Students will be taught by imaging professionals who have specialized in a certain modality. Students will be able to gain more information about what they want to do in the future.

Upon course completion, students will be able to:
• Explain the difference between each imaging modality.

• Describe sectional anatomy terms.

• Identify different cross sections of the body.

TERT2071 - Radiography Clinicals III

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT2071

Course Number
2071

Course Hours
270

Course Credits
6

Description
This course is designed for students to take their knowledge of what they have learned and are currently learning in the classroom and laboratory and apply it to their clinical sites. Students will position patients, use proper radiation protection techniques, and take x-rays under the supervision of the x-ray department staff. Students will also participate in other imaging exams, like fluoroscopy, surgery c-arm exams, and dexa scans. Students will learn the job of an X-ray technologist through real world experiences.

Upon course completion, students will be able to:
• Use proper radiation protection techniques during each x-ray exam.

• Execute x-ray imaging exams from start to finish under the direction of the x-ray department staff.

• Select technical factors to produce quality diagnostic images with the mindset of ALARA.

• Pass off their Imaging Competencies for upper and lower GI tract, urinary tract and biliary tract

along with the skull, sinus, facial bones, and trauma x-ray views.

TERT2150 - Registry Review

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT2150

Course Number
2150

Course Hours
90

Course Credits
3

Description
This course is designed to assist students in studying for their ARRT national board exams that they will take at the end of the program. This course will provide students with the resources, help aids, and practice exams they need to study for their national boards.

Upon course completion, students will be able to:
• Demonstrate their knowledge of the program based on their practice board exams.

• Describe the format of the ARRT board exam.

• Explain the main principles of radiography technology.

• Demonstrate their knowledge of patient protection, patient positioning, and patient care.

TERT2170 - Radiography Clinicals IV

General

Start Term
2025-2026

Subject Code
TERT

Course Code
TERT2170

Course Number
2170

Course Hours
125

Course Credits
2

Description
This course is designed for students to take their knowledge of what they have learned and are currently learning in the classroom and laboratory and apply it to their clinical sites. Students will position patients, use proper radiation protection techniques, and take x-rays under the supervision of the x-ray department staff. Students will also participate in other imaging exams, like fluoroscopy, surgery c-arm exams, and dexa scans. Students will learn the job of an X-ray technologist through real world experiences.

Upon course completion, students will be able to:
• Use proper radiation protection techniques during each x-ray exam.

• Execute x-ray imaging exams from start to finish under the direction of the x-ray department staff.

• Select technical factors to produce quality diagnostic images with the mindset of ALARA.

• Pass off their Imaging Competencies for all exams they have learned throughout the program.

TESP1012 - Introduction to Sterile Processing

General

Start Term
2026-2027

Subject Code
TESP

Course Code
TESP1012

Course Number
1012

Course Hours
60

Course Credits
2

Description
This course introduces the fundamental role of sterile processing technicians in supporting infection control and patient safety. Students will learn the One-Way Flow process, medical terminology, anatomy, and procedure-related language. Emphasis is placed on recognizing and categorizing surgical instruments by function and specialty, identifying major body systems, and defining the responsibilities of sterile processing in healthcare. Professionalism, confidentiality, ethical decision-making, and collaboration within interdisciplinary healthcare teams are also highlighted.

Upon course completion, students will be able to:
● Explain the importance of the Sterile Processing Department, with an emphasis on the service provided and its role of quality patient care.

● Identify the various elements of medical terminology, including prefixes, roots, and suffixes.

● Discuss how medical terminology can refer to the human anatomy, disease processes, surgical instruments, and surgical procedures to assist the OR when specific items are needed for surgeries

TESP 1013 - Introduction to Decontamination

General

Start Term
2026-2027

Subject Code
TESP

Course Code
TESP 1013

Course Number
102

Course Hours
60

Course Credits
2

Description
This course provides an in-depth study of the decontamination phase of the sterile processing cycle. Students will
learn the standard procedures for receiving, cleaning, and decontaminating surgical instruments in alignment with
industry standards and guidelines. Emphasis is placed on correct workflow practices, use of PPE during
decontamination, and the application of cleaning agents, mechanical washers, and manual cleaning techniques.
Hands-on lab activities allow students to practice decontamination processes in a controlled setting.

Upon course completion, students will be able to:
● Review the structure, function, activities, and role of cells, tissues, and organs in the body and identify common surgical procedures that involve each system.

● Identify pathogenic microorganisms such as bacteria, viruses, fungi and parasites, and how to prevent the spread of each pathogenic microorganism.

● Recognize the differences between federal and state laws/regulations versus voluntary standards and guidelines.

● Identify the need and use for thermal disinfection for infection prevention, and the hazards of bloodborne pathogens.

● Describe Point-of-Use preparation and safety guidelines for transporting contaminated items from the operating room (OR) to the decontamination area.

● Discuss the purpose and set up of the decontamination sink areas including the importance of OSHA approved PPE.

● Identify the role of detergents/enzymatic cleaners, three levels of disinfection, and the steps in the pre-cleaning process.

TESP 1111 - Preparation and Packaging

General

Start Term
2026-2027

Subject Code
TESP

Course Code
TESP 1111

Course Number
1111

Course Hours
90

Course Credits
3

Description
Students will gain expertise in identifying surgical instruments, understanding their functions, and recognizing their
uses across various specialties, such as orthopedics and neurology. The course covers testing methods for
instruments, including laparoscopic sheath testing, scissor sharpness checks, and inspections for wear. Students will
also learn wrapping techniques, sterilization methods, and the use of chemical indicators, tamper-evident seals, and
rigid container systems. Additionally, they will master creating content lists and assembling instrument sets according
to operating room standards.

Upon course completion, students will be able to:
• Explain the accurate, and neat methodology for assembling instrument sets by function.

• Recognize the areas of each surgical instrument in order to inspect for debris, damage, defects, and functionality.

• Explain sterilization and the two most commonly used methods.

• Identify the sterilization method and the use of chemical indicators, tamper-evident seals and packaging material for sterilization.

• Properly use count sheets or “recipes,” as a crucial tool to accurately assemble surgical instrument trays with counts of all necessary instruments.

• Practice simultaneous wrapping, the most commonly used in the OR.

• Demonstrate how to use “peel packs” to package single instruments when needed.

• Label instrument sets for each packaging method (rigid containers, wrapping, peel packs).

• Provide an overview of reusable and disposable packaging materials and packaging concepts including closure methods and selection factors.

TESP 1212 - Sterilization and Disinfection I

General

Start Term
2026-2027

Subject Code
TESP

Course Code
TESP 1212

Course Number
1212

Course Hours
60

Course Credits
2

Description
The course also covers disinfectants, highlighting the differences between high, intermediate, and low-level
disinfection. Students will gain hands-on experience interpreting disinfectant labels, understanding contact times, and
applying OSHA-approved PPE for high-level disinfectants.

Upon course completion, students will be able to:
● Define the term “Immediate Use Steam Sterilization” and review the industry standards and procedures for use.

● Describe point-of-use processing and heat-sensitive medical devices.

● Understand the three levels of disinfectants and what they’re used for.

● Practice reading various types of disinfectants to learn how to read the instructions for use correctly.

● Practice wearing PPE for lab activities, which requires working with disinfectants.

● Demonstrate knowledge of safety principles in sterile processing by identifying and applying practices that reduce chemical, biological, and physical hazards, ensuring a safe environment for patients, staff, and healthcare facilities

TESP 1213 - Sterilization and Disinfection II

General

Start Term
2026-2027

Subject Code
TESP

Course Code
TESP 1213

Course Number
1213

Course Hours
60

Course Credits
2

Description
This course focuses on high-temperature and low-temperature sterilization methods used in sterile processing,
including daily testing procedures and performance monitoring with physical, biological, and chemical indicators.
Students will learn to associate endospores with sterilization methods, track sterilization cycles, and properly load
sterilizer carts.

Upon course completion, students will be able to:
● Explain the requirements and parameters of the low-temperature sterilization methods.

● Practice wearing PPE for lab activities, which will require working with sterilizers and biological indicators.

● Discuss the Chain of Infection and how it relates to everyday life.

● Recognize daily testing procedures for each sterilization method.

● Discuss the advantages of steam sterilization, types and anatomy of different steam sterilizers, the sterilization cycles, conditions necessary for an effective process, and the indicators.

● Understand how to document and read performance monitors for each sterilization method.

TESP 1311 - Storage and Distribution, QA, and Equipment

General

Start Term
2026-2027

Subject Code
TESP

Course Code
TESP 1311

Course Number
1311

Course Hours
90

Course Credits
3

Description
This course covers the processes of sterile storage, distribution, and quality assurance in sterile processing. Students
will learn how items are stored after sterilization and prepared for use in the operating room (OR), following
decontamination, assembly, packaging, and sterilization. The course also focuses on the distribution of sterile items,
including replenishing inventory and managing par levels for the OR and other hospital departments. Quality
assurance practices, including daily testing of sterilization, disinfection, and decontamination procedures, will be
emphasized, with students practicing record-keeping and testing in the lab. Additionally, students will learn about
disinfecting medical equipment used throughout the hospital, including pumps and pain management devices, with a
focus on low-level disinfection methods.

Upon course completion, students will be able to:
• Discuss sterile storage and transport considerations, concerns, and guidelines.

• Explain the importance of monitoring work areas and processes and recordkeeping for quality control.

• Describe common quality assurance programs and procedures in the Sterile Processing department.

• Explain the basics of failure mode effects analysis and root cause analysis.

• Identify the importance of inventory management and the role of Sterile Processing technicians.

• Describe common inventory replenishment systems and the cycle of consumable items.

• Provide an overview of the use of information management systems in Sterile Processing departments including features of instrument and equipment tracking systems.

• Explain the importance of safety and risk management in the Central Service department including education and reporting procedures.

• Review three common workplace hazards: fire, hazardous substances, and bloodborne pathogens.

TESP1901 - Externship

General

Start Term
2026-2027

Subject Code
TESP

Course Code
TESP1901

Course Number
1901

Course Hours
495

Course Credits
11

Description
The externship, arranged by the program coordinator with participating hospitals and facilities, allows students to apply classroom and lab skills in a real-world setting. Students will track and submit their hours, along with specific areas of work (decontamination, assembly, sterilization, sterile storage, or QA), for instructor verification. After completing 400 externship hours, students are eligible to sit for the HSPA CRCST exam and will have successfully completed the program.

Upon course completion, students will be able to:
• Apply the knowledge learned in the classroom to real world situations.

• Demonstrate the hands-on skills mastered in the lab to the Sterile Processing departments in

hospitals or facilities (Ambulatory Surgery Centers, Dental Clinics, Plastic Surgery Centers).

TESP 1902 - Externship I

General

Start Term
2026-2027

Subject Code
TESP

Course Code
TESP 1902

Course Number
1902

Course Hours
135

Course Credits
3

Description
The externship, arranged by the program coordinator with participating hospitals and facilities, allows students to
apply classroom and lab skills in a real-world setting. Students will track and submit their hours, along with specific
areas of work (decontamination, assembly, sterilization, sterile storage, or QA), for instructor verification. After
completing 400 externship hours, students are eligible to sit for the HSPA CRCST Exam, and will have successfully
completed the program.

Upon course completion, students will be able to:
● Apply the knowledge learned in the classroom to real-world situations.

● Demonstrate the hands-on skills mastered in the lab to the Sterile Processing departments in hospitals or facilities (Ambulatory Surgery Centers, Dental Clinics, Plastic Surgery Centers).

TESP 1903 - Externship II

General

Start Term
2026-2027

Subject Code
TESP

Course Code
TESP 1903

Course Number
1903

Course Hours
135

Course Credits
3

Description
The externship, arranged by the program coordinator with participating hospitals and facilities, allows students to
apply classroom and lab skills in a real-world setting. Students will track and submit their hours, along with specific
areas of work (decontamination, assembly, sterilization, sterile storage, or QA), for instructor verification. After
completing 400 externship hours, students are eligible to sit for the HSPA CRCST Exam, and will have successfully
completed the program.

Upon course completion, students will be able to:
● Apply the knowledge learned in the classroom to real-world situations.

● Demonstrate the hands-on skills mastered in the lab to the Sterile Processing departments in hospitals or facilities (Ambulatory Surgery Centers, Dental Clinics, Plastic Surgery Centers).

TESP 1904 - Externship III

General

Start Term
2026-2027

Subject Code
TESP

Course Code
TESP 1904

Course Number
1904

Course Hours
90

Course Credits
2

Description
The externship, arranged by the program coordinator with participating hospitals and facilities, allows students to
apply classroom and lab skills in a real-world setting. Students will track and submit their hours, along with specific
areas of work (decontamination, assembly, sterilization, sterile storage, or QA), for instructor verification. After
completing 400 externship hours, students are eligible to sit for the HSPA CRCST Exam, and will have successfully
completed the program.

Upon course completion, students will be able to:
● Apply the knowledge learned in the classroom to real-world situations.

● Demonstrate the hands-on skills mastered in the lab to the Sterile Processing departments in hospitals or facilities (Ambulatory Surgery Centers, Dental Clinics, Plastic Surgery Centers).

TESP 1905 - Externship IV

General

Start Term
2026-2027

Subject Code
TESP

Course Code
TESP 1905

Course Number
1905

Course Hours
135

Course Credits
3

Description
The externship, arranged by the program coordinator with participating hospitals and facilities, allows students to
apply classroom and lab skills in a real-world setting. Students will track and submit their hours, along with specific
areas of work (decontamination, assembly, sterilization, sterile storage, or QA), for instructor verification. After
completing 400 externship hours, students are eligible to sit for the HSPA CRCST Exam, and will have successfully
completed the program.

Upon course completion, students will be able to:
● Apply the knowledge learned in the classroom to real-world situations.

● Demonstrate the hands-on skills mastered in the lab to the Sterile Processing departments in hospitals or facilities (Ambulatory Surgery Centers, Dental Clinics, Plastic Surgery Centers).

TESU1015 - Introduction to Surgical Technology

General

Start Term
2026-2027

Subject Code
TESU

Course Code
TESU1015

Course Number
1015

Course Hours
60

Course Credits
2

Description
The Introduction to Surgical Technology course will introduce students to the surgical technology profession and will develop the fundamental concepts and principles necessary to successfully participate as a member of the surgical team.

Upon course completion, students will be able to:
• Analyze relevant medical terminology.

• Describe the development of the Surgical Technology profession.

• Analyze operating room environment and identify commonly used equipment and

instrumentation.

• Evaluate Preoperative, Intraoperative, and Postoperative case preparation.

• Assess surgical consents and patient identification.

• Explain healthcare organization and describe team member roles and communication.

• Discuss medical law and ethics, surgical conscience, and surgical documentation.

• Identify and demonstrate the use of surgical attire throughout the perioperative setting.

TESU1022 - Microbiology and Infection Control

General

Start Term
2026-2027

Subject Code
TESU

Course Code
TESU1022

Course Number
1022

Course Hours
60

Course Credits
2

Description
The Microbiology and Infection Control course will introduce students to microbiology, infection control, and aseptic principles.

Upon course completion, students will be able to:
• Correlate infection control in relation to microbiology, the diseases they cause, and procedures

used to treat infections.

• Analyze anatomy and physiology of microorganisms and the immune system.

• Summarize disinfection and decontamination practices.

• Identify biopsychosocial needs of the patient and the process of death and dying.

• Discuss the history and pioneers of microbiology.

TESU1040 - Principles and Practices of Surgical Technology

General

Start Term
2026-2027

Subject Code
TESU

Course Code
TESU1040

Course Number
1040

Course Hours
90

Course Credits
3

Description
The Principles and Practices of Surgical Technology course will introduce students to wound management, and healing. They will be familiar with perioperative care and the principles of asepsis, and attain stills for patient positioning, prepping, and draping.

Upon course completion, students will be able to:
• Explain hemostasis, wound healing, and tissue closure.

• Outline perioperative case management.

• Demonstrate the principles of asepsis.

• Analyze patient prepping and positioning.

• Differentiate stapling and closure devices.

TESU1051 - Surgical Procedures I

General

Start Term
2026-2027

Subject Code
TESU

Course Code
TESU1051

Course Number
1051

Course Hours
60

Course Credits
2

Description
The Surgical Procedures I course will review surgical specialties and differentiate anatomy, physiology, and instrumentation pertaining to the specialty. They will demonstrate several procedures set ups throughout the specialties.

Upon course completion, students will be able to:
• Discuss select instrumentation, equipment, supplies, and drugs used for the relevant specialties.

• Analyze relevant body systems and related pathophysiology leading to surgeries.

• Review relevant medical terminology.

• Demonstrate surgical case set ups.

• Assess perioperative care and complications.

TESU1061 - Surgical Procedures II

General

Start Term
2026-2027

Subject Code
TESU

Course Code
TESU1061

Course Number
1061

Course Hours
60

Course Credits
2

Description
The Surgical Procedures II course will review surgical specialties and differentiate anatomy, physiology, and instrumentation pertaining to the specialty. They will demonstrate several procedures set ups throughout the specialties.

Upon course completion, students will be able to:
• Discuss select instrumentation, equipment, supplies, and drugs used for the relevant specialties.

• Analyze relevant body systems and related pathophysiology leading to surgeries.

• Review relevant medical terminology.

• Demonstrate surgical case set ups.

• Assess perioperative care and complications.

TESU1070 - Surgical Procedures III

General

Start Term
2026-2027

Subject Code
TESU

Course Code
TESU1070

Course Number
1070

Course Hours
90

Course Credits
3

Description
The Surgical Procedures III course will review surgical specialties and differentiate anatomy, physiology, and instrumentation pertaining to the specialty. They will demonstrate several procedures set ups throughout the specialties.

Upon course completion, students will be able to:
• Discuss select instrumentation, equipment, supplies, and drugs used for the relevant specialties.

• Analyze relevant body systems and related pathophysiology leading to surgeries.

• Review relevant medical terminology.

• Demonstrate surgical case set ups.

• Assess perioperative care and complications.

TESU1130 - Technology in Surgery

General

Start Term
2026-2027

Subject Code
TESU

Course Code
TESU1130

Course Number
1130

Course Hours
60

Course Credits
2

Description
This course will introduce students to medications used in surgery and anesthesia care. It will also explore the integration and application of cutting-edge technologies in the field of surgery. With advancements in technology in surgery rapidly shaping the field of surgical practices, this course aims to equip students with the knowledge and skills needed to leverage these innovations for improved patient outcomes.

Upon course completion, students will be able to:
Objectives:

• Differentiate medications and types of anesthesia in surgery.

• Assess fluid and blood loss during surgery.

• Prepare and manage medication on the field.

• Demonstrate ability to make surgical counts.

• Identify emergency situations and anesthesia complications.

• Analyze all hazards and disaster preparation.

• Discuss and examine the benefits and challenges of robotic surgery.

• Summarize components of laparoscopic and endoscopic procedures.

• Identify minimally invasive techniques, instruments and supplies.

• Identify intraoperative imaging tools.

• Assess ethical challenges associated with the use of technology in surgery.

TESU1225 - Surgical Technology Exams and Seminar

General

Start Term
2026-2027

Subject Code
TESU

Course Code
TESU1225

Course Number
1225

Course Hours
60

Course Credits
2

Description
This course will discuss factors associate with making career decisions that can enhance a surgical technologists professional growth and success. It will also review competencies learned throughout the program in order to sit for the national certification exam. It is designed to provide the students with the ability to perform skills learned in the lab in professional medical facilities operating rooms.

Upon course completion, students will be able to:
• Review for the national certifying exam.

• Prepare students for employment.

• Demonstrate successfully performance as an operating room team member.

• Explain the process to enter the clinical externship surgical rotation.

• Perform surgical technology principles of aseptic and surgical technique in the professional

medical facility operating rooms.

TESU2900 - Surgical Technology Clinical Externship I

General

Start Term
2025-2026

Subject Code
TESU

Course Code
TESU2900

Course Number
2900

Course Hours
180

Course Credits
4

Description
The Surgical Technology Clinical Externship I course will extend the educational experience in the surgical field under the supervision of experienced medical professionals in a clinical setting.

Upon course completion, students will be able to:
• Practice decontamination standards and procedures for both sterile and non-sterile

instrumentation and equipment.

• Demonstrate spatial relations within a surgical field.

• Implement infection control procedures, hazard communication, and health and safety

procedures.

• Demonstrate skills for scrubbing, gowning, gloving, and draping.

• Integrate employability skills.

• Assist with patient care.

• Facilitate case preparation.

TESU2910 - Surgical Technology Clinical Externship II

General

Start Term
2025-2026

Subject Code
TESU

Course Code
TESU2910

Course Number
2910

Course Hours
180

Course Credits
4

Description
The Surgical Technology Clinical Externship II course will extend the educational experience in the surgical field under the supervision of experienced medical professionals in a clinical setting.

Upon course completion, students will be able to:
• Practice decontamination standards and procedures for both sterile and non-sterile

instrumentation and equipment.

• Demonstrate spatial relations within a surgical field.

• Implement infection control procedures, hazard communication, and health and safety

procedures.

• Demonstrate skills for scrubbing, gowning, gloving, and draping.

• Integrate employability skills.

• Assist with patient care.

• Facilitate case preparation.

TESU2922 - Surgical Technology Clinical Externship III

General

Start Term
2025-2026

Subject Code
TESU

Course Code
TESU2922

Course Number
2922

Course Hours
45

Course Credits
1

Description
The Surgical Technology Clinical Externship III course will extend the educational experience in the
surgical field under the supervision of experienced medical professionals in a clinical setting.

Upon course completion, students will be able to:
• Practice decontamination standards and procedures for both sterile and non-sterile

instrumentation and equipment.

• Demonstrate spatial relations within a surgical field.

• Implement infection control procedures, hazard communication, and health and safety

procedures.

• Demonstrate skills for scrubbing, gowning, gloving, and draping.

• Integrate employability skills.

• Assist with patient care.

• Facilitate case preparation.

TEWP1000 - Introduction to Web Development

General

Start Term
2026-2027

Subject Code
TEWP

Course Code
TEWP1000

Course Number
1000

Course Hours
60

Course Credits
2

Description
This course gives students an in-depth understanding of how to build web pages and a solid foundation for your future development or website-building career. Students will learn the basic concepts of the internet, web pages, markup coding and best practices that are applicable in the real-world environment using Git, GitHub, HTML, CSS, Bootstrap, Sass and JavaScript.

Upon course completion, students will be able to:
• Implement common HTML tags in a functional coding format to create a Web site using current standards and technologies.

• Demonstrate the ability to upload and publish a Web page on a Web server.

• Explore best practices in modern responsive website design.

• Receive common computational problem-solving techniques and training useful to entry-level web developers and programmers.

TEWP1010 - JavaScript Programming

General

Start Term
2026-2027

Subject Code
TEWP

Course Code
TEWP1010

Course Number
1010

Course Hours
120

Course Credits
4

Description
This course introduces students to a great foundation in computer programming using JavaScript. Students will learn to use JavaScript to cover basic programming including arrays, functions, objects, events and the DOM, web APIs. JavaScript is a widely used industry programming language that can integrate with other languages and frameworks, providing learners a context in which to learn foundational programming concepts that can easily transfer to other programming languages.

Upon course completion, students will be able to:
• Learn a high-level overview of JavaScript as a programming language and some of the features that make it different from other programming languages.

• Implement and know how to effectively work with objects and inheritance in JavaScript and know how all this works behind the scenes. • Create, build and start a basic server using JavaScript and Node.js.

• Know the importance of built-in Object and Array functions which will speed up development time and make code much more readable and concise.

TEWP1020 - React.js

General

Start Term
2026-2027

Subject Code
TEWP

Course Code
TEWP1020

Course Number
1020

Course Hours
90

Course Credits
3

Description
React is one of the webs most popular libraries that is used in production by huge companies like Twitter, Netflix, and Microsoft. React is fun to use and its component architecture makes it faster and easier to build scalable, maintainable and amazing products for the web including native platforms. This course will introduce the fundamentals of React using modern syntax and best practices for creating React components. Students will have hands-on experience with Reacts core concepts, and explore other concepts like testing, data fetching, routing and much more.

Upon course completion, students will be able to:
• Demonstrate how to use the fundamental building blocks of creating React components to build small and scalable web applications.

• Build simple and flexible React Components and Hooks using modern react patterns.

• Execute the essential tools and techniques to write, test, and deploy React components and applications with confidence.

TEWP1030 - Backend Programming

General

Start Term
2026-2027

Subject Code
TEWP

Course Code
TEWP1030

Course Number
1030

Course Hours
60

Course Credits
2

Description
This course will help students understand the concept that every great web application begins with the components of user experience and the business impact of delivery, deployment and support that is quick, cost effective, and requires great functionality. Students will learn that the combination of JavaScript, Node, and Express is an ideal choice for web teams that want a powerful, quick-to-deploy technology stack that is widely respected in the development community and large enterprises alike.

Upon course completion, students will be able to:
• Identify Node.js, core modules, and NPM (Node Package Manager) and how it works behind the scenes with event loop, blocking vs non-blocking code, event-driven architecture, streams, modules, etc.

• Explain the features and functions of Express (Node.js framework) from routing, middleware, to sending responses.

• Create a real-world web application to demonstrate how MVC (Model-View-Controller) architecture is applied.

TEWP1040 - Deployment and Security

General

Start Term
2026-2027

Subject Code
TEWP

Course Code
TEWP1040

Course Number
1040

Course Hours
30

Course Credits
1

Description
This course will provide foundational knowledge and hands-on projects that will teach students theory and practical skill required to install Docker and be aware of critical security risks to web applications. Students will learn to build, run, and deploy applications anywhere using the World's leading software container platform.

Upon course completion, students will be able to:
• Create, build and manage Docker images and containers effectively.

• Deploy course web application projects using Docker containers.

• Practice how to securely configure your browser to block malicious scripts, cookies, trackers, and so on, as well as maintain good privacy/anonymity on the Internet to safeguard your development environment.

• Learn best practices and fundamentals of confidently managing emails, business files, computers, mobile devices, and internet browsing.

• Understand human emotions, patterns and work on real life cases about how hackers trigger or trick people into providing access to money, personal accounts, systems, and company network.

TEWP1060 - Angular Framework

General

Start Term
2026-2027

Subject Code
TEWP

Course Code
TEWP1060

Course Number
1060

Course Hours
120

Course Credits
4

Description
Angular is one of the fastest, most popular open-source web app frameworks today, and knowing how to deploy and use it is essential for developers. Angular is a TypeScript-based open-source web application framework led by the Angular Team at Google and by a community of individuals and corporations. Angular allows developers to create beautiful, performant, easily maintainable websites incredibly quickly. Students will learn to be proficient in the use of the Angular framework and produce full scale Angular applications.

Upon course completion, students will be able to:
• Demonstrate code for a full-scale Angular application.

• Create components and user interfaces, databinding, retrieving data using HTTP, and more.

• Build and deploy this application so that it can be accessed from anywhere.

• Communicate effectively with other Angular developers by knowing the fundamental concepts of Angular.

• Recognize good and bad patterns in Angular code.

TEWP1080 - Capstone

General

Start Term
2026-2027

Subject Code
TEWP

Course Code
TEWP1080

Course Number
1080

Course Hours
60

Course Credits
2

Description
The Capstone course enhances students' employability in the industry as they demonstrate their ability to plan, design and execute a responsive web project using the technology that they have acquired so far. The project must adhere to validation and accessibility standards. Students showcase a complete client project from concept to the final presentation.

Upon course completion, students will be able to:
• Research and develop a design system (color, typography, and layout) based on research and client information for the project.

• Develop and publish a web project using standards-compliant HTML, CSS, and any other technology stack.

• Conduct and present basic usability testing on the site and correct any issues.

• Design professional-level web page layouts with attention to usability: consistent navigation, clear visual hierarchy, and intuitive interface design.

• Present your project utilizing critical thinking ability, professional presentation skills, and the ability to explain your creative process.

• Create a professional resume, cover letter and reference sheet.

• Expand and develop networking skills.

• Demonstrate the ability to fill out job applications in a professional manner.

TEWP1700 - Server-side Web Development

General

Start Term
2026-2027

Subject Code
TEWP

Course Code
TEWP1700

Course Number
1700

Course Hours
120

Course Credits
4

Description
Server-side programming explores delivering a customized user experience. This course combines the skills of programming, client-side development, and relational database management to create and manage dynamic web-based content. Students will be exposed to using, creating, and testing web APIs.

Upon course completion, students will be able to:
• Implement server-side programming to serve the client-side development.

• Demonstrate proper syntax, patterns, data structures, and functional usage of server-side language.

• Connect and utilize databases.

• Develop controls and event-handling procedures.

• Apply server-side concepts and techniques to create, manage, and use dynamic web pages.

• Employ API testing and development.

TEWP1900 - Web Programming and Development Externship I

General

Start Term
2026-2027

Subject Code
TEWP

Course Code
TEWP1900

Course Number
1900

Course Hours
180

Course Credits
4

Description
Upon completion of the classroom portion of program, students will find an externship opportunity to complete 180 hours within a real-world software development environment.

Upon course completion, students will be able to:
• Use source control principles and technologies to track and manage code.

• Write, review, and edit HTML, CSS, JavaScript libraries or frameworks like React and/or Angular code while completing assigned tasks.

• Collaborate with other team members while working to complete defined project goals.

• Students are embedded into existing development teams or organized into small project groups with other students.

• Students engage in tasks and assignments to support product development and/or other special development projects.

TEWP1910 - Web Programming and Development Externship II

General

Start Term
2026-2027

Subject Code
TEWP

Course Code
TEWP1910

Course Number
1910

Course Hours
60

Course Credits
1

Description
Upon completion of the classroom portion of the program, students will find an externship opportunity to complete 60 hours within a real-world software development environment.

Upon course completion, students will be able to:
• Use operating system commands and utilities to execute, test, troubleshoot and configure code and web applications.

• Utilize knowledge of back-end (server side) technologies while completing assigned tasks.

• Utilize knowledge of database technologies while completing assigned tasks.

• Students engage in tasks and assignments to support product development and/r other special development projects.

TEWT1000 - Introduction to Welding and Cutting

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1000

Course Number
1000

Course Hours
60

Course Credits
2

Description
This course will serve students as an introduction to the welding industry. General welding shop safety, thermal cutting processes, basic welding terminology, and arc welding basics will be discussed.

Upon course completion, students will be able to:
• Demonstrate safety as it relates to welding and manufacturing.

• Perform cuts using thermal cutting processes.

• Identify and define basic welding terminology.

• Demonstrate safe set-up of arc welding equipment.

• Perform basic welds on carbon steel.

• Demonstrate clear communication in the workplace.

• Demonstrate effective workplace habits and attitudes.

TEWT1001 - Introduction to Welding and Cutting II

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1001

Course Number
1001

Course Hours
30

Course Credits
1

Description
This course will cover advanced cutting and fitting methods commonly used in the welding industry. Students will work with blueprints, cut lists, and common tools to construct a widget.

Upon course completion, students will be able to:
• Demonstrate the ability to cut and fit C channel.

• Recognize different temperatures used to cut on thick and thin materials.

• Perform cuts on ½ inch thick plate or thicker materials.

• Cut out a widget, following a specific blueprint.

TEWT1021 - Blueprints

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1021

Course Number
1021

Course Hours
90

Course Credits
3

Description
In this course, students gain an understanding of the concepts and implementation of measurement systems used by welding professionals. US customary units, metric units, and utilization of basic measurement tools are discussed. Students learn to interpret prints and drawings including welding symbols used in the welding and fabrication industries. Engineering drawings are introduced as the medium by which the engineer, project manager, and/or draftsman communicates instructions to production welding personnel.

Upon course completion, students will be able to:
• Correctly read a tape measure.

• Perform fraction and decimal conversions.

• Perform metric and US customary unit conversions.

• Perform basic trigonometry functions as they relate to welding and fabrication.

• Use basic measurement systems common in the welding industry by applying course concepts.

• Identify various American Welding Society (AWS) welding symbols.

• Identify basic line types used in mechanical drawings.

• Demonstrate basic sketching techniques and object representations.

• Create alternate views from existing views.

• Use drawing notes, specifications, title blocks, and bills of materials correctly.

TEWT1111 - Shielded Metal Arc Welding (SMAW) I

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1111

Course Number
1111

Course Hours
60

Course Credits
2

Description
This course teaches the set-up, operation, and practical uses of Shielded Metal Arc Welding. Process advantages and limitations are discussed. Students receive hands-on instruction regarding SMAW standard procedures and best practices in accordance with current industry standards.

Upon course completion, students will be able to:
• Demonstrate safety and best practices of SMAW-specific welding.

• Setup and operate appropriate SMAW equipment.

• Identify process advantages and limitations.

• Perform 1F and 1G welds with SMAW.

• Perform 2F and 2G welds with SMAW.

TEWT1112 - Shielded Metal Arc Welding (SMAW) II

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1112

Course Number
1112

Course Hours
60

Course Credits
2

Description
This course expands students' competency in hands-on uses and practical application of SMAW. Students learn to
reason through appropriate electrode diameters, classifications, and appropriate current levels necessary to achieve
proficiency in SMAW.

Upon course completion, students will be able to:
• Describe the advantages and limitations of SMAW.

• Select proper electrode classifications for their appropriate applications.

• Select proper welding current for specified electrode classification and diameter.

• Perform 3F and 3G welds with SMAW.

• Perform 4F and 4G welds with SMAW.

TEWT1132 - Shielded Metal Arc Welding (SMAW) III

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1132

Course Number
1132

Course Hours
90

Course Credits
3

Description
This course follows the AWS Sense Program for SMAW. Students will be required to pass a comprehensive written
and practical exam, as well as attempt a welding qualification test using the SMAW process.

Upon course completion, students will be able to:
• Perform a 1G – 4G, and pass bends on each assignment.

• Correctly read a blueprint to complete a widget that meets the Sense practical testing requirements.

• Pass the SMAW AWS Sense written test with 80% or higher, within 3 attempts.

• Attempt a D1.1 3G structural steel qualification test.

• Cut out a widget, following a specific blueprint.

TEWT1211 - Gas Tungsten Arc Welding (GTAW) I

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1211

Course Number
1211

Course Hours
60

Course Credits
2

Description
This course teaches set-up, operation, and practical application of GTAW using carbon steel. Process advantages and limitations will be discussed. Students receive hands-on instruction regarding GTAW standard procedures and best practice in accordance with current industry standards.

Upon course completion, students will be able to:
• Demonstrate safety and best practices of GTAW-specific welding.

• Setup and operate appropriate GTAW equipment.

• Identify process advantages and limitations.

• Perform 1F, 1G, 2F and 2G welds on ferrous metals using GTAW.

• Perform 3F, 3G, 4F and 4G welds on ferrous metals using GTAW.

TEWT1212 - Gas Tungsten Arc Welding (GTAW) II

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1212

Course Number
1212

Course Hours
60

Course Credits
2

Description
This course expands student competency in hands-on uses and practical application of GTAW using non-ferrous
metals. Electrode classifications, preparation, and tip geometries are discussed. Students learn appropriate
parameter selection for welding procedure requirements as necessary for GTAW proficiency.

Upon course completion, students will be able to:
• Describe the advantages and limitations of GTAW.

• Select proper electrode classifications for their appropriate applications.

• Describe electrode classifications along with the appropriate uses and tip configurations.

• Perform 1F and 1G welds on non-ferrous metals with GTAW.

• Perform 2F and 2G welds on non-ferrous metals with GTAW.

TEWT1231 - Gas Tungsten Arc Welding (GTAW) III

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1231

Course Number
1231

Course Hours
60

Course Credits
2

Description
Gas Tungsten Arc Welding is an advanced level course for welding students. This course will test students on their knowledge of GTAW by utilizing the AWS GTAW Sense Level 1 test. Heat considerations and basic metallurgy will be taught.

Upon course completion, students will be able to:
• Pass the GTAW AWS Sense test with 80% or higher, within 3 attempts.

• Pass the non-ferrous widget, in accordance with AWS standards.

• Perform 1F and 1G welds on non-ferrous metals.

• Perform 2F and 2G welds on non-ferrous metals.

TEWT1311 - Gas Metal Arc Welding (GMAW) I

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1311

Course Number
1311

Course Hours
60

Course Credits
2

Description
This course teaches set-up, operation, and practical application of GMAW. Process advantages and limitations are discussed. Students receive hands-on instruction regarding GMAW standard procedures and best practice in accordance with industry standards using short-circuiting and axial spray metal transfer modes.

Upon course completion, students will be able to:
• Demonstrate safety and best practices of GMAW-specific welding.

• Setup and operate appropriate GMAW equipment.

• Identify process advantages and limitations.

• Perform 1F, 1G, 2F and 2G welds using GMAW-S.

• Perform 1F, 1G, and 2F welds using GMAW axial spray transfer.

TEWT1315 - Gas Metal Arc Welding (GMAW) II

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1315

Course Number
1315

Course Hours
90

Course Credits
3

Description
This course expands student competency in hands-on uses and practical application of GMAW. Shielding gas composition, selection, and appropriate flow rates are discussed. Students learn appropriate parameter selection for welding procedure requirements as necessary for GMAW proficiency. Pulsed-spray (GMAW-P) metal transfer mode and Metal Cored wire will be introduced. Students will be tested on their knowledge of GMAW using the AWS S.E.N.S.E Practical Performance Test and written exam.

Upon course completion, students will be able to:
• Describe the advantages and limitations of GMAW.

• Select proper equipment and parameters given welding procedure requirements.

• Describe shielding gas flow rates, composition, and selection.

• Perform 3F, 3G, 4F, and 4G welds with GMAW-S.

• Perform fillets and groove joints with GMAW-P.

• Build and weld the AWS Sense Widget.

• Pass the GMAW AWS Sense written test with 80% or higher, within 3 attempts.

• Perform 1F, 2F, and 3F downhill welds with Pulsed Metal Cored.

• Perform 2G Vee and a 3G Vee downhill with Pulsed Metal Cored.

TEWT1411 - Flux Cored Arc Welding (FCAW) I

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1411

Course Number
1411

Course Hours
60

Course Credits
2

Description
This course covers set-up, operation, and practical application of FCAW. Process advantages and limitations are discussed. Students receive hands-on instruction regarding FCAW standard procedures and best practices in accordance with current industry standards.

Upon course completion, students will be able to:
• Demonstrate safety and best practices of FCAW-specific welding.

• Setup and operate of appropriate FCAW equipment.

• Identify process advantages and limitations.

• Perform 1F and 1G welds with FCAW.

• Perform 2F and 2G welds with FCAW.

TEWT1413 - Flux Cored Arc Welding (FCAW) II

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1413

Course Number
1413

Course Hours
90

Course Credits
3

Description
This course expands student competency in hands-on uses and practical application of FCAW. Shielding gas composition, selection, and appropriate flow rates are discussed. Students learn appropriate parameter selection for welding procedure requirements as necessary for FCAW proficiency. Students will be tested on their knowledge of FCAW by utilizing the AWS FCAW S.E.N.S.E Level 1 test. Following a blueprint, students build a widget using FCAW-G and FCAW-SS welding processes. Students will also take a practical qualification test that will follow the AWS D1.1 Structural Steel Code standards.

Upon course completion, students will be able to:
• Describe the advantages and limitations of FCAW.

• Select proper equipment and parameters given welding procedure requirements.

• Describe shielding gas flow rates, composition, and selection.

• Perform 3F and 3G welds with FCAW.

• Perform 4F and 4G welds with FCAW.

• Pass the FCAW AWS Sense test with 80% or higher, within 3 attempts.

• Build and weld the AWS Sense Widget. • Attempt the AWS D1.1 Structural Steel FCAW bend test.

TEWT1511 - Submerged Arc Welding (SAW)

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT1511

Course Number
1511

Course Hours
30

Course Credits
1

Description
This course covers set-up, operations and practical application of SAW. Process advantages and limitations will be discussed. Students will receive hands-on instruction regarding SAW standard procedures and best practice in accordance with current industry standards.

Upon course completion, students will be able to:
• Demonstrate competency of SAW-specific welding safety concerns and best practices.

• Demonstrate competency of appropriate SAW equipment setup and operations.

• Identify process advantages and limitations.

• Perform a 1G Vee weld with a backing strip on solid wire.

• Perform a 1 G Vee weld with a back weld on metal cored wire.

• Perform a 1G Rotated pipe weld.

TEWT2116 - Shielded Metal Arc Welding (SMAW) - Pre-Pipe

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT2116

Course Number
2116

Course Hours
90

Course Credits
3

Description
The SMAW Pre-Pipe course will help students become familiar with the techniques, positions and joints used for welding pipe as used in structural pipeline and pressure vessel applications. This course will instruct students in the specialized techniques used for pipe welding applications such as open root V grooves, using SMAW E7018 and SMAW E6010. Students with D1.1 structural steel certification in this process may waive this course. SMAW may be waived if a student has a D1.1 structural steel certification in this process.

Upon course completion, students will be able to:
• Classify specialized techniques used for pipe welding applications.

• Interpret open root “V” grooves, using SMAW E7018 and SMAW E6010.

• Demonstrate a tack using the feathering technique on ⅜”-½” plate with different size root opening.

• Demonstrate a weld on ⅜”-½” plate in the following positions with E6010 Electrodes for the root, E7018 electrodes for the fill and cover pass: 2G, 3G and 4G.

• Demonstrate a weld on ⅜”-½” plate in the following positions with E6010 Electrodes for the root, first fill (hot pass) and E7018 Electrode for the last fill and cover pass: 2G, 3G and 4G.

TEWT2121 - Shielded Metal Arc Welding (SMAW) I - Pipe

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT2121

Course Number
2121

Course Hours
60

Course Credits
2

Description
The SMAW Pipe course will continue to help students with advanced techniques, positions and joints used for welding pipe using the SMAW process as used in structural, pipeline and pressure vessel applications. The course will teach students proper techniques to weld pipe in the 2G, 5G and 6G positions. Students will master the techniques necessary to qualify for the American Welding Society (AWS) D1.1 Structural Steel Code as well as the American Society of Mechanical Engineers (ASME) Section IX pressure vessel and piping code.

Upon course completion, students will be able to:
• Demonstrate technique to weld 6” schedule 80 pipe with E6010 Electrodes for the root, fill and cover passes: 2G, 5G downhill and 6G downhill positions.

• Demonstrate technique to weld 6” schedule 80 pipe in the following positions with E6010 electrodes for the root and E7018 electrodes for the fill and cover passes: 2G, 5G uphill and 6G uphill.

• Demonstrate technique to weld on 6” schedule 80 pipe with E6010 electrodes for the root and hot pass, and E7018 electrodes for the remaining fill and cover passes: 2G 5G downhill root and hot pass and uphill fill and cover pass.

• Prepared to take the AWS D1.1 6G pipe qualification test.

• Prepared to take the API 1104 6G pipe qualification test.

TEWT 2123 - Shielded Metal Arc Welding (SMAW) II - Pipe

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT 2123

Course Number
2123

Course Hours
90

Course Credits
3

Description
The SMAW Pipe II course will continue to help students with advanced techniques, positions and joints used for welding pipe using the SMAW process as used in structural, pipeline and pressure vessel applications. The course will teach students proper techniques to weld pipe in the 2G, 5G and 6G positions. Students will master the techniques necessary to qualify for the American Welding Society (AWS) D1.1 Structural Steel Code as well as the American Society of Mechanical Engineers (ASME) Section IX pressure vessel and piping code.

Upon course completion, students will be able to:
● Demonstrate technique to weld 6” schedule 80 pipe with E6010 Electrodes for the root, fill and cover passes: 2G, 5G downhill and 6G downhill positions.

● Demonstrate the ability to weld in a restrictive area and perform a brother-in-law weld.

● Prepared to take the AWS D1.1 6G pipe qualification test.

● Prepared to take the API 1104 6G pipe qualification test.

TEWT2216 - Gas Tungsten Arc Welding (GTAW) - Pre-Pipe

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT2216

Course Number
2216

Course Hours
90

Course Credits
3

Description
The GTAW pre-pipe welding course will help students become familiar with the techniques, positions, and joints used for welding pipe as used in structural, pipeline, and pressure vessel applications. This course will teach students specialized techniques used for pipe welding applications such as open root “V” grooves, using GTAW “walking the cup” technique. GTAW may be waived if the student has a D1.1 structural steel certification in this process.

Upon course completion, students will be able to:
• Tack using the feathering technique on ⅜”- ½” plate with different sizing root opening.

• Demonstrate weld on ⅜” to ½” plate in the following positions, with the GTAW process: “walking the cup” for the root, first fill and E7018 for the fill and cover pass: 2G, 3G and 4G.

• Demonstrate weld on ⅜” to ½” plate in the following positions with the GTAW process: “walking the cup” for the root, fill and cover pass: 2G, 3G and 4G.

TEWT2220 - Gas Tungsten Arc Welding (GTAW) - Pipe

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT2220

Course Number
2220

Course Hours
120

Course Credits
4

Description
The GTAW pipe welding course will help students become familiar with the techniques, positions, and joints used for welding pipe as used in structural, pipeline, and pressure vessel applications. This course will teach students how to make root and fill passes using the GTAW process by “walking the cup” of the GTAW torch. Students will also prepare to qualify for the American Welding Society's (AWS) D1.1 structural steel code and the American Society of Mechanical Engineers (ASME) Section IX pressure vessel and piping code.

Upon course completion, students will be able to:
• Demonstrate weld on 6” schedule 80 pipe in the following positions, using the GTAW process for the root, fill and cover passes: 2G, 5G and 6G.

• Demonstrate weld on 6” schedule 80 pipe in the following positions with the GTAW process for the root and hot pass and E7018 for the fill and cover pass: 2G, 5G and 6G.

• Prepare for the ASME Section IX 6G Pipe qualification - GTAW root and hot pass, E7018 fill and cap.

TEWT2316 - Gas Metal Arc Welding (GMAW)/Flux Cored Arc Welding (FCAW) - Pre-Pipe

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT2316

Course Number
2316

Course Hours
90

Course Credits
3

Description
The GMAW/FCAW Pre-Pipe course will help students become familiar with the techniques, positions, and joints used for welding pipe as used in structural, pipeline, and pressure vessel applications. This course will teach the students specialized techniques used for pipe welding application such as open root v grooves, using GMAW RMD, GMAW Pulse, and FCAW gas shield. FCAW may be waived if students have achieved the D1.1 structural steel certification in these processes.

Upon course completion, students will be able to:
• Classify specialized techniques used for pipe welding applications.

• Interpret open root “V” grooves, using GMAW RMD, GMAW Pulse and FCAW gas shield.

• Demonstrate a tack using the feathering technique on ⅜”-½” plate with different size root opening.

• Perform a weld on ⅜”-½” plate in the following positions with GMAW RMD root, GMAW pulsed fill and cover pass, GMAW RMD root, FCAW gas shield fill and cover pass: 2G, 3G and 4G.

TEWT2320 - Gas Metal Arc Welding (GMAW) - Pipe

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT2320

Course Number
2320

Course Hours
120

Course Credits
4

Description
The GMAW Pipe course will help students become familiar with the techniques, positions and joints used for welding pipe using the GMAW process and used in structural, pipeline and pressure vessel applications.

Upon course completion, students will be able to:
• Demonstrate proper technique to weld 6” schedule 80 pipe in the 2G, 5G and 6G positions.

• Show use of RMD for the root passes, pulsed and short circuit transfers for the fill and cover passes.

• Identify techniques necessary to qualify for the American Welding Society’s (AWS) D1.1 Structural Steel Code as well as the American Society of Mechanical Engineer’s (ASME) Section IX pressure vessel and piping code.

• Demonstrate weld on 6” schedule 80 pipe in the following positions with RMD for the root and short circuit transfer and the root and pulsed for the fill and cover pass: 2G, 5G 6G.

• Qualify in the ASME IX 6G Pipe- RMD Root, Pulse Fill & Cap.

TEWT2420 - Flux Cored Arc Welding (FCAW) - Pipe

General

Start Term
2026-2027

Subject Code
TEWT

Course Code
TEWT2420

Course Number
2420

Course Hours
120

Course Credits
4

Description
The FCAW Pipe course is designed to help students become familiar with the techniques, positions and joints used on welding pipe using the FCAW process as used in structural, pipeline and pressure vessel applications

Upon course completion, students will be able to:
• Demonstrate proper technique to weld 6” schedule 80 pipe in the 2G, 5G and 6G positions.

• Use a backing ring and RMD for the root passes, gas shielded and self-shielded for the fill and cover passes.

• Identify techniques necessary to qualify for the American Welding Society’s (AWS) D1.1 Structural Steel Code as well as the American Society of Mechanical Engineer’s (ASME) Section IX pressure vessel and piping code.

• Demonstrate weld on 6” schedule 80 pipe in the following positions with RMD for root and gas, root and self-shield and backing ring and gas shielded for the root, fill and cover pass: 2G, 5G and 6G.

• Qualify in ASME IX 6G Pipe- GMAW RMD Root, FCAW Fill & Cap.

• Qualify in AWS D1.1 6G Pipe- FCAW Dual Shield with backing ring.

VETP1000 - Vehicle Emissions Test Prep

General

Start Term
2026-2027

Subject Code
VETP

Course Code
VETP1000

Course Number
1000

Course Hours
20

Description
The Emissions Test Preparation Training is a non-credit 20-hour class. The material prepares technicians for the Utah County Emissions Pretest, which is a prerequisite for enrolling in the Utah County Emissions Certification course offered through the Utah County Dept. of Health's Bureau of Air Quality. In this MTECH course you will gain a basic knowledge of the automotive engine, mechanical, cooling, fuel, electrical, and emission control systems.

Upon course completion, students will be able to:
Upon program completion, students will be able to:

- **Describe** the fundamental operation and components of engine mechanical, cooling, fuel, electrical, and emission control systems relevant to emissions testing.
- **Analyze** common faults in vehicle systems that can affect emissions performance and identify appropriate diagnostic strategies.
- **Prepare** for the Utah County Emissions Certification by applying course knowledge to practice questions and scenarios similar to those found on the official emissions test.

VSIL 1000 - Vehicle Safety Inspection

General

Start Term
2026-2027

Subject Code
VSIL

Course Code
VSIL 1000

Course Number
1000

Course Hours
16

Description
MTECH offers a combined 16 hour course for the certification in two of the three separate Vehicle Safety Inspector Certifications: Passenger Vehicles/ Light Trucks, Motorcycles In Utah there are three separate Vehicle Safety Inspector Certifications; Passenger Vehicles/Light Trucks, Motorcycles, and Heavy Trucks/ Trailers/Buses. MTECH's 16 hour course only offers training for the certification in Passenger Vehicles/Light Trucks and Motorcycles. MTECH does not offer a course for certification in Heavy Trucks/Trailers/Buses. Upon completion of the program, participants must score 80% or more on the final examination and performance checklist to achieve competency for the course and receive a certificate. Individuals who successfully complete the training will be eligible to apply for their Vehicle Inspection Certification from the Utah Department of Public Safety.

Upon course completion, students will be able to:
Upon program completion, students will be able to help

- **Identify and interpret** the Utah Department of Public Safety regulations and inspection criteria applicable to passenger vehicles, light trucks, and motorcycles.
- **Demonstrate** proper procedures and techniques for conducting comprehensive safety inspections on passenger vehicles, light trucks, and motorcycles in accordance with state requirements.
- **Evaluate** vehicle components and systems to determine compliance with safety standards and accurately complete inspection documentation and checklists with at least 80% proficiency.