

# AUTOMOTIVE TECHNOLOGY T-TEN

## Automotive Technology – T-TEN Associate of Applied Science

### PROGRAM DESCRIPTION

The T-TEN program is designed to provide the training for individuals to become certified technicians at a Toyota dealership. The students must be accepted into the program as well as meet the requirements of the sponsoring Toyota dealership. The program rotates approximately quarterly between training at Umpqua Community College and the sponsoring dealerships. Certification requires either both the T-TEN Basic Certificate and the T-TEN Advanced Certificate or the T-TEN Associate of Applied Science degree.

The mission of the UCC Automotive department is to provide quality education and hands-on training to prepare students for a successful career in Automotive Technology as certified technicians.

The UCC Automotive program is accredited by the National Automotive Technical Education Foundation.

### PROGRAM OUTCOMES

Students who successfully complete the Associate of Applied Science in Automotive Technology – T-TEN degree will:

1. Apply fundamentals of automotive service training, including the basics of automotive diagnostics and repair, pre-delivery inspection and warranty repair procedures
2. Identify, inspect, disassemble and assemble basic components of automotive power plants
3. Apply knowledge of the function, construction, operation, troubleshooting and service of disc, drum and ABS brake systems, steering, suspension and wheel alignment
4. Use electronic engine analyzers and scanners to test and tune ignition, fuel injection, and emission systems
5. Apply knowledge of electrical principles, semi-conductors, microprocessors and wiring diagrams to diagnose and repair malfunctions of automotive electrical systems
6. Apply knowledge of the function, construction, operation, troubleshooting and service of front and rear wheel drive manual and automatic transmissions and transaxles
7. Test, service and repair heating and air-conditioning systems

### PROGRAM COURSE REQUIREMENTS

#### Year One

CIS 100	Introduction to windows and PC's	3
MTH 052	Intro to Algebra for the Trades (or higher)	4
TTEN 100	Intro to Toyota	5
TTEN 150	Suspension and Alignment - Toyota	5
TTEN 151	Internal Combustion Engines - Toyota	6
TTEN 155	Automotive Brakes - Toyota	6
TTEN 168	Automotive Electricity I - Toyota	6
TTEN 169	Automotive Electricity II - Toyota	6
TTEN 280	CWE – Toyota	6
WR 115	English Composition: Intro to Expository Writing (or higher)	4

#### Year Two

HE 252 or HPE 295	First Aid Wellness & Health Assessment	3 3
PSY 101	Psychology of Human Relations	3
TTEN 259	Electronic Engine Controls I - Toyota	6
TTEN 260	Electronic Engine Controls II - Toyota	6
TTEN 261	Power Trains – Toyota	5
TTEN 263	Automatic Transmissions - Toyota	6
TTEN 280	CWE - Toyota	6
TTEN 286 <sup>1</sup>	Climate Control - Toyota	5

**Total Credits 91**

Consult a T-TEN program advisor for course schedules and course pre-requirements.

- <sup>1</sup> Prior to taking AUT 286 (Climate Control systems) an Air Conditioning Certificate is required from one of the following organizations:
- ASE (Refrigerant recovery and recycling certification test)
  - Mobile Air Conditioning Society International Mobile Air Conditioning Association

T-TEN course schedule does not match conventional academic calendar.

### PROGRAM ENTRANCE REQUIREMENTS

#### Academic Entrance Requirement

- Accepted application packet for the T-TEN program
- Acceptance into the T-TEN program by Umpqua Community College's T-TEN Coordinator
- Minimum GPA in automotive courses shall be 2.0.
- A basic tool set is required of all entering students. The list of tool requirements is available thru the T-TEN department.

# Automotive Department at UCC

Thank you for your interest in studying at Umpqua Community College.

To help you be as successful as possible in your college experience, we have put together helpful contact information, some next steps, a basic orientation, and other reference materials.

Since you are interested in the **Automotive program**, your faculty advisor contact is:

## **John Blakely**

Associate Professor, Automotive Program  
541-440-7782 | [John.Blakely@umpqua.edu](mailto:John.Blakely@umpqua.edu)

## NEXT STEPS

1. If you have never attended UCC, you can [apply online](#) now.
2. You can start your [FAFSA application](#).
3. Take applicable [placement tests](#) and attend [orientation](#).
4. Log in to your [student self service portal](#) and [student email](#).

Don't forget! You can do all the items together. You don't have to wait until you finish one before you do the other.

## A BASIC ORIENTATION

All offices below are located in the [LaVerne Murphy Student Center](#).

### [Advising Office](#)

Developing a class plan.

### [Enrollment Office](#)

Becoming a student.

### [Financial Aid Office](#)

Getting grants, work study opportunities, student job placement, and loans, if necessary.

### [Scholarship Office](#)

Getting a scholarship.

### [Help Desk](#)

Getting technical help with college systems like student self service and student email.

## BUT WAIT! THERE'S MORE!

Download these files for quick reference.

[Getting Started Checklist](#)

[Financial Aid Process](#)

