# TOYOTA’S TECHNICIAN TRAINING & EDUCATION NETWORK

**Common Job Titles**
- Automotive Service Technician
- General Service Technician
- Light Duty Technician
- Master Technician

**Recent Employers**
- Metro Area Toyota & Lexus Dealers
- Outstate Toyota & Lexus Dealers

**Salary Data**
- Annual Average Salary: $44,770

**Placement Rate**
- 100%

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## Program Description
The Toyota T-TEN program prepares graduates to be technicians servicing Toyota and Lexus vehicles at authorized dealerships. Students train specifically on current model Toyota and Lexus vehicles, information systems, scan tools, and training materials. Students also complete an internship under the guidance of a master technician at a sponsoring Toyota or Lexus dealership. These paid internships give students the opportunity to integrate their learning and further develop their skills in service technology. Arts & Science curriculum supports the technical skills students learn as well as enhance students’ oral and written communication skills.

All T-TEN instructors are certified by Toyota in the areas that they teach, in addition to being certified as Master Technicians by the National Institute for Automotive Service Excellence (ASE).

Dunwoody has received recognition from Toyota for being one of the best T-TEN automotive schools in the nation and is a Chassis, Electrical, Engine, Drivability (CEED) School, the highest level for a T-TEN school.

**Dunwoody College of Technology:** a non-profit, private technical college since 1914.

## Degree Requirements

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## Credential Earned
- AAS Degree

## Classes Offered
- Day

## Length of Program
- 2 years (4 semesters)

## Available Starts
- Fall Semester; Spring Semester

## Accreditation
- CEED (Chassis, Electrical, Engine, Drivability), Toyota’s Top Post-Secondary Level of Instruction

## Further Study
- Bachelor’s Completion Degree in Applied Management

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**How to Apply**
- dunwoody.edu
- 612.374.5800
- info@dunwoody.edu

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2 Data reflects placement for AY2016-17 graduates indicating employment in their field of study within 6 months following graduation.
3 Full data calculations are available for review during College open hours Monday through Friday 8 a.m. to 4 p.m. CT at Career Services or contact careerservices@dunwoody.edu.

AY2018-19 Revised: 6.18.18
Course Descriptions

AUTO1110 General Skills & Engine Fundamentals, 3 cr.
Use tools and measuring instruments. Identify fasteners and fittings, remove damaged fasteners, fabricate brake lines. Research service procedures using automotive information systems. Disassemble and assemble component engines. Describe engine parts, systems, and operation.

AUTO1120 Brakes, Steering & Suspensions, 4 cr.
Examine theory of design and principles of operation, diagnosis and repair procedures of automotive brake, steering and suspension systems. Practice performing service procedures, four-wheel alignments, tire and wheel service.

AUTO1130 Electrical & Electronic Principles, 7 cr.
Examine theory and principles of: Ohm’s law, circuit principles, magnetism, electromagnetism, batteries, induction, cranking motors, charging systems, ignition systems, basic electronics including sensors and semiconductors. Use digital multimeters and wiring schematics to trace, test, and diagnose circuits. Disassemble, inspect, test, and reassemble starters and alternators. On-vehicle diagnosis of battery, starting, and charging systems. Introduction to scan tools.

TTEN1210 Dealer Service Systems, 3 cr.
Introduction to dealership systems: repair order writing, dealership management training, and Toyota/Lexus Interactive Networking systems. Emphasis will be on vehicle inspection techniques; utilization of Toyota scan tools in troubleshooting advanced computer controlled vehicles.

TTEN1220 Body Electrical Systems, 4 cr.
Theory of operation and diagnostic principles of Toyota/Lexus chassis and body electrical systems. On-vehicle component testing with the latest scan tools, digital multi-meters, lab scopes and factory electrical schematics.

TTEN1230 Advanced Brakes & Suspension Systems, 3 cr.
Theory of operation and diagnostic principles of Toyota/Lexus brake/suspension systems. ABS (Anti-lock braking system), traction control systems, advanced steering stability systems, pre-alignment inspections, 4-wheel alignment, suspension and steering systems, component repair and replacement, troubleshooting vibration, noise, and harshness concerns.

TTEN2110 Drivetrain Systems, 7 cr.
Theory of operation and diagnostic principles of Toyota/Lexus drivetrain systems. Differentials, CV and universal joints, manual transmissions, transfer cases, automatic transmissions. System maintenance, periodic service, and on-vehicle diagnosis. Disassembly, inspection, and assembly of system components. CVT transmission and hybrid transmission.

TTEN2120 Heating & Air Conditioning, 2 cr.
Theory of operation and diagnostic principles of Toyota/Lexus air conditioning and heating systems. Refrigeration system service, control system repair, heater service, automatic heating/AC systems, component testing, environmental issues, and troubleshooting the various systems.

TTEN1210 TTEN Internship I, 4 cr.
Cooperative, paid on-the-job training. Preparation providing real life job skills and work habits in a variety of automotive areas.

PTEN2210 Engine Diagnostics & Repair, 3 cr.
Hands-on repair of the Toyota/Lexus engines. Service procedures include cooling system repair, lubrication system repair, intake systems repair, exhaust repair, engine testing, engine replacement, engine disassembly, cleaning and measurement, cylinder head diagnostics, timing belt/chain replacement 4cyl, 6cyl, 8cyl.

TTEN2220 Engine Performance Repair, 6 cr.
Hands-on repair of the Toyota/Lexus fuel and computerized engine control systems. Service procedures include: fuel pressure testing, fuel injector testing, exhaust gas analysis, advanced scan tool usage, and on-vehicle diagnostics. Advanced diagnostics, including hands-on repair of the Toyota/Lexus engine control systems. Service procedures include: on-vehicle diagnostics of Toyota/Lexus including advanced computer control systems, networking communication, emission control systems, and test drive diagnostic techniques.

TTEN2231 TTEN Internship II, 4 cr.
Cooperative, paid on-the-job training. Preparation providing real life job skills and work habits in a variety of automotive areas.