

AUTOMOTIVE TECHNOLOGY

DEGREES, CERTIFICATES AND AWARDS

Associate in Science Degree (A.S.)
Certificate of Achievement

DESCRIPTION

The Automotive Technology program at IVC emphasizes a real world approach to diagnostic skill building and a thorough understanding of system theory and operations. This is accomplished through the use of computer programs, audiovisuals, and hands-on experience with mockups and modern vehicles. Automotive fundamentals are developed with a generalist approach emphasizing independence in self-directed learning. Professionalism, workplace skills and responsibilities are stressed along with safety and an awareness of hazardous materials control. The Automotive Department encourages both women and men to participate in this rewarding profession.

PROGRAM LEARNING OUTCOMES

1. Describe the purpose of the fundamental automotive systems.
2. Describe the type of skills needed to be an auto technician.
3. Correctly answer ASE certification test questions that require a knowledge of the major parts and systems of a vehicle.

ASSOCIATE DEGREE AND CERTIFICATE OF ACHIEVEMENT PROGRAMS

The Associate in Arts (AA) or the Associate in Science (AS) Degree involves satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all IVC district requirements for the associate's degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition students must maintain a minimum grade point average and meet the minimum grade requirements of their program. Detailed information is available in the college catalog.

The Certificate of Achievement program is designed for students with personal or occupational goals who wish early employment. To qualify for the Certificate, a student must satisfy the following requirements: (1) complete all courses listed for a particular certificate.; (2) achieve a "C" average (2.0 GPA) for all courses used to complete the certificate; and, (3) file a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES

Of the career opportunities identified some will usually require the completion of degree requirements at 4-year colleges and universities.

- Tune-up Technician
- Brake Specialist
- General Technician
- Alignment Specialist
- Service Management
- Engine Performance/Drivability Specialist
- Electrical Specialist
- Service Writer
- Transmission Specialist
- Quick Service Tech
- Industrial Technology
- Industrial Engineer
- Automotive Engineer
- Electrical Engineer

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at IVC. Please click on our Programs of Study link to view the information for each certificate program: <http://www.imperial.edu/courses-and-programs/programs-of-study/>



TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree at Imperial Valley College may not be the same as those required for completing the major at a transfer institution offering a bachelor's degree. Students who plan to transfer to a four-year college or university should schedule an appointment with an IVC Counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine

www.CSUMentor.edu – CSU System Information

www.universityofcalifornia.edu/admissions/index.html - UC System Information

www.aiccu.edu – California Independent Colleges and Universities, Association of

<http://wiche.edu/wue> - Western Undergraduate Exchange Programs

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that IVC offers a full array of financial aid programs – grants, work study, scholarships, and fee waivers (we do not participate in the federal loan programs). These programs are available to both full and part time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information: www.imperial.edu/students/financial-aid-and-scholarships/

AUTOMOTIVE TECHNOLOGY

ASSOCIATE DEGREE PROGRAM

AUTOMOTIVE TECHNOLOGY MAJOR – A.S. DEGREE

Thirty-nine (39.0) units required for the major.

ALL COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

I. Required courses for the major (39.0 units)

| | | | |
|-----|-----|--------------------------------------|-----|
| AUT | 110 | Engine Technology | 4.0 |
| AUT | 125 | Automotive Brakes | 4.0 |
| AUT | 130 | Automotive Electronics I | 3.0 |
| AUT | 150 | Automotive Electronics II | 4.0 |
| AUT | 155 | Suspension & Wheel Alignment | 4.0 |
| AUT | 160 | Engine Performance Tune-Up | 3.0 |
| AUT | 170 | Engine Diagnosis & Repair | 3.0 |
| AUT | 180 | Manual Trans & Power Trains | 4.0 |
| AUT | 210 | Automotive Air Conditioning | 3.0 |
| AUT | 220 | Mechanical Automatic Transmissions | 4.0 |
| AUT | 230 | Emissions Control & Computer Systems | 3.0 |

Total Major Units

39.0

CERTIFICATE PROGRAM

AUTOMOTIVE TECHNOLOGY CERTIFICATE

Thirty-nine (39.0) units required for the certificate.

ALL COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

I. Required courses for the certificate (39.0)

| | | | |
|-----|-----|--------------------------------------|-----|
| AUT | 110 | Engine Technology | 4.0 |
| AUT | 125 | Automotive Brakes | 4.0 |
| AUT | 130 | Automotive Electronics I | 3.0 |
| AUT | 150 | Automotive Electronics II | 4.0 |
| AUT | 155 | Suspension & Wheel Alignment | 4.0 |
| AUT | 160 | Engine Performance Tune-Up | 3.0 |
| AUT | 170 | Engine Diagnosis & Repair | 3.0 |
| AUT | 180 | Manual Trans & Power Trains | 4.0 |
| AUT | 210 | Automotive Air Conditioning | 3.0 |
| AUT | 220 | Mechanical Automatic Transmissions | 4.0 |
| AUT | 230 | Emissions Control & Computer Systems | 3.0 |

Total Certificate Units

39.0