

Automotive Technology

Associate in Applied Science Degree

Why Automotive Technology?

The Automotive Technology program at Bay College is recognized for continually producing the most qualified and well-rounded college graduates. The Automotive Department at Bay College has over 60 years of combined experience in teaching, advising and placing graduates in the automotive industry and related positions. Automotive employment opportunities exist in every community and in all parts of the world. The employment and career opportunities that our college automotive degree and certificate programs offer are limitless. Bay College offers an Associate in Applied Science in Automotive Technology along with two certificate programs, an Automotive Master Technician Certificate and an Automotive Maintenance Technician Certificate.

Why Bay College?

The [Automotive Technology program](#) at Bay College is designed to provide a combination of theoretical and practical skills to enable graduates to move rapidly in their chosen occupational field. Students learn to apply automotive operating principles and to diagnosis malfunctions in automotive systems. The program emphasizes the development of skills in service, repairs, and diagnostic procedures. The program also provides an opportunity for students to prepare themselves for technician certification exams, which are required by law with state regulations.

Beyond Bay College

Students interested in transferring to a four-year institution to obtain a bachelor's degree or higher may find opportunities in the following areas of study:

- **Automotive Management**
- **Automotive Engineering Technology**

Career Opportunities

Graduates of the Automotive Technology degree will be prepared to enter the workforce and begin a career as a technician in the automotive industry.

- **The automotive industry is young, healthy, and growing.**
- **The industry offers many challenging, exciting, and profitable careers.**
- **Demand is increasing for trained technicians who have the knowledge and skill to service changing and improved products.**

Contact

Bay College

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Escanaba, MI 49829

Bay College West Campus

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Iron Mountain, MI 49801

Office of Admissions

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baycollege.edu

Automotive Technology, AAS

Award Granted Upon Completion: Associate in Applied Science in Automotive Technology
Credits/Contacts Required: 68/95

Major code: 03/308
CIP Code: 470604

General Education Requirements (Min. 15 Credits)

Course #	Course Name	Cr
ENGL 101	Rhetoric & Composition	3
COMM 103 COMM 104	Interpersonal Communication Public Speaking	3 or 3*
BUSN 177 MATH 106	Mathematics of Business Technical Algebra & Trigonometry I	3 or 4*
XXXX xxx XXXX xxx	General Education Electives General Education Electives	3 2-3

Requirements (Min. 53 Credits)

Course #	Course Name	Cr
AUTO 100	Automotive Engines	5
AUTO 110	Automotive Brakes	5
AUTO 120	Automotive Electrical I	5
ACCT 130	Automotive Standard Transmissions & Power Trains	4
AUTO 140	Automotive Engine Performance I	5
AUTO 150	Automotive Suspension & Steering	5
AUTO 200	Automotive Engine Performance II	5
AUTO 220	Automotive Electrical II	5
AUTO 230	Automatic Transmissions	5
AUTO 270	Automotive HVAC Systems	3
AUTO 272	Automotive Service Co-op	6**

Suggested Sequences Per Semester

First Semester

Course #	Course Name	Cr/Ct
AUTO 110	Automotive Brakes	5
AUTO 120	Automotive Electrical I	5
AUTO 100 AUTO 130	Automotive Engines Automotive Standard Transmissions & Power Trains	5 or 4
AUTO 140	Automotive Engine Performance I	5

First Semester Total - Credit(s): 19-20 | Contacts: 30-32

Second Semester

Course #	Course Name	Cr/Ct
AUTO 150	Automotive Suspension & Steering	5
AUTO 200	Automotive Engine Performance II	5
AUTO 220	Automotive Electrical II	5
AUTO 230	Automatic Transmissions	5 or
AUTO 270	Automotive HVAC Systems	3

Second Semester Total - Credit(s): 18-20 | Contacts: 28-32

Third Semester

Course #	Course Name	Cr/Ct
AUTO 100 AUTO 130	Automotive Engines Automotive Standard Transmissions & Power Trains	5 or 4
BUSN 177 MATH 106	Mathematics of Business Technical Algebra & Trigonometry I	3 or 4*
COMM 103 COMM 104	Interpersonal Communication Public Speaking	3 3
ENGL 101	Rhetoric & Composition	3

Third Semester Total - Credit(s): 13-15 | Contacts: 15-18

Fourth Semester

Course #	Course Name	Cr/Ct
AUTO 230 AUTO 270	Automatic Transmissions Automotive HVAC Systems	5 or 3
AUTO 272 XXXX xxx	Automotive Service Co-op Social & Behavioral Sciences/Humanities Elective	6** 3/3
XXXX xxx	General Education Requirement	3-4/3-4

Fourth Semester Total - Credit(s): 15-18 | Contacts: 16-21

Note(s)

Internships and Co-ops may require that the student pass a criminal background check.

* Transfer students should choose MATH 110 or higher, and COMM 104.

** Qualified students may be placed into pre-approved training work sites that are compatible with their career objectives, geographic preferences, and qualifications. A valid driver's license and the approved hand tool set are required for co-op. Students need to request instructor's approval and complete pre-registration documentation prior to final registration. Please see College Co-op Handbook.