



Automotive Technology Academy

The **Automotive Technology** Academy gives you the chance to explore a career in the Auto Technology field while earning college credit before you graduate from high school! The SCC Auto Tech program is an ASE (Automotive Service Excellence) certified program. The program provides advanced knowledge and hands-on skill training using state-of-the-art equipment used by employers.

These skills are required in the auto industry, but other industries use them, too. For instance, many of the same concepts and skills involved with auto technology are valuable in the assembly and maintenance of wind energy components, including windmill blades and towers.

You may enroll in any or all of the courses listed in the Academies through the guidance of your high school counselor. You are not required to take all courses within the academy to get college credit for each course.

Career Opportunities:

- Auto Diagnostic Expert
- Auto Parts Sales
- Owning and operating your own Automotive business
- Auto Wheel Alignment Technician
- Wind Turbine Manufacture or Repair Specialist

How much will it cost?

Your school district pays for your courses. You and your family are saving \$170/credit hour (SCC's in-state tuition cost for 2016-2017).

Check with your high school guidance counselor but you most likely will need to provide your own transportation and purchase your textbooks.

Who may participate?

Any high school student who meets the requirements may participate, check with your high school guidance counselor.

What may I do after high school?

When you complete courses in the **Automotive Technology** Academy, you will earn SCC college credit and have an SCC college transcript. If you enroll in the Auto Tech or Auto Collision Programs at SCC, you may bypass the courses you have already taken, saving time and money.

Some courses may apply to other programs. SCC Enrollment Specialists can answer your questions. To view all the programs offered at SCC, visit our website for more information:
<http://www.scciaowa.edu/academics/degs-progs-depts/index.aspx>

May I take more?

If there are openings in appropriate classes on an SCC Campus, there may be a possibility for further study. Check with your high school guidance counselor.

When and where are the classes located?

Classes are located at the specified class location. West Burlington classes begin at 7:00 am. Contact your counselor for class times for Keokuk and Mount Pleasant.

Class dates run according to the SCC Academic Calendar year.

How do I register?

Meet with your high school guidance counselor to determine course options. Register online with SCC, as directed by your counselor. Your high school counselor will send the class roster to SCC.

Do courses transfer to other colleges?

Check out this link: www.transferiniowa.org to see how courses may transfer to other colleges. It's also recommended that you double check with the college to make sure how/if courses will transfer.

Questions or for more information:

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Director of High School Relations
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West Burlington Campus

1500 West Agency Road
West Burlington, IA 52655
Toll-free: 1-866-722-4692 x5046

Automotive Technology Course Descriptions

Automotive Technology

AUT-106 Introduction to Automotive Technology

Credit: 2 This course will serve as an introduction to the complete automotive field, including safety, ASE certification, employment potential, customer service, employer/employee relations and the parts and service industry.

A student must receive a grade of C- or above in order to then take AUT-126.

AUT-126 Fundamentals of Automotive Servicing

Credit: 2 This course will familiarize students with basic scheduled maintenance. Proper usage of hand and power tools will be covered, as well as precision measuring systems and equipment. Prerequisite: A grade of C- or above in AUT-106.

AUT-244 Manual Drivetrains I

Credit: 3 This course will introduce the student to the concepts of front- and rear-wheel drive, four-wheel and all-wheel drive vehicles. Clutches, CV joints, and universal joints will also be covered.

AUT-505 Automotive Brake Systems

Credit: 5 This course will explain and demonstrate the principles of friction and the components and operation of hydraulic brakes, including power and anti-lock brakes. C- or above in AUT-126.

Collision Repair/Refinish

CRR-300 Preparation

Credit: 2 This course is an introductory course designed to help students identify safety hazards in the work area, safe vehicle lifting techniques and how to identify and handle hazardous materials. Students will learn how to inspect, remove and store trim, glass, metal and molding components; protect adjacent panels during repairs; remove corrosion materials and other protective coatings; review damage reports and analyze damage to determine proper method of overall repair; develop repair plan; use appropriate cleaners to remove contaminants from surfaces to be repaired; apply environmental practices associated with repair of cars/trucks and motorcycles. Prerequisite: Valid driver's license.

CRR-500 Damage Analysis

Credit: 2 This course will serve as an introduction to the evaluation of collision damage. Students will learn to identify primary and secondary damage and prepare a successful repair plan.

CRR-610 Steering and Suspension

Credit: 1.5 This course will serve as an introduction to wheel alignment and steering component and suspension repair. Students will learn suspension repair related to collision damage, how to measure, diagnose and realign steering components using modern state of the art equipment.

Health Sciences

HSC-181 First Aid/CPR for Non-Health Care Workers

Credit: 1.5 This course follows the American heart Association Basic Life Support (CPR) Heart Saver for the Lay Person. It includes AED and basic first aid. This course is not for health care workers.

Science

SCI-115 Basic Electricity

Credit: 2 An introduction to basic electricity and magnetism. A study of the relationship between voltage, current, and resistance. Power generation, power transfer and their applications. A basic understanding of the applied electrical circuits.

MOUNT PLEASANT

FALL	AUT-106	Intro to Automotive Technology
	AUT-126	Fund. of Automotive Servicing
	AUT-244	Manual Drivetrains I
SPRING	AUT-106	Intro to Automotive Technology
	AUT-126	Fund. of Automotive Servicing
	AUT-505	Automotive Brake Systems

SCC KEOKUK CAMPUS

FALL	AUT-106	Intro to Automotive Technology
	AUT-126	Fund. of Automotive Servicing
SPRING	AUT-106	Intro to Automotive Technology
	AUT-126	Fund. of Automotive Servicing

SCC WEST BURLINGTON CAMPUS

FALL	AUT-106	Intro to Automotive Technology
	AUT-126	Fund. of Automotive Servicing
	CRR-300	Preparation
	HSC-181	First Aid/CPR for Non-Health Care Workers
SPRING	SCI-115	Basic Electricity
	AUT-244	Manual Drivetrains I
	CRR-500	Damage Analysis
	CRR-610	Steering and Suspension

Southeastern Community College (SCC) is committed to providing equal access to all persons who seek post-secondary and related educational assistance, within our stated mission and statutory authority. We remain committed to helping all persons to the level of their ability to benefit, regardless of age, disability, ethnicity, gender, national origin, race, religious creed, marital status, or sexual orientation. We will accomplish this commitment through our offering of a broad spectrum of quality educational programs, activities, educational assistance, and related support services. We value diversity as a rich enhancement of student experiences here and we are thereby committed to policies that promote fairness and inclusion for all who attend SCC.

