

**North Iowa Area Community College**

500 College Drive  
Mason City, Iowa 50401  
888.466-4222

**Dept. of Industrial Technology**

Josh Byrnes  
Industrial Division Chair  
641.422-4202  
[byrnejos@niacc.edu](mailto:byrnejos@niacc.edu)

Diane Greimann  
Office Assistant  
641.422.4405  
[greimdia@niacc.edu](mailto:greimdia@niacc.edu)  
Fax: 641.422.4122

**Automotive Service Technology**

Greg Arrowood, Instructor  
641.422.4243  
[arrowgre@niacc.edu](mailto:arrowgre@niacc.edu)

Rob Heimbuch, Instructor  
641.422.4155  
[heimbrob@niacc.edu](mailto:heimbrob@niacc.edu)

Jack Rohde, Instructor  
641.422.4263  
[rohdejac@niacc.edu](mailto:rohdejac@niacc.edu)

**Office of Admissions**  
641.422.4245

North Iowa Area Community College  
Industrial Technology Division  
500 College Drive  
Mason City, IA 50401

NORTH IOWA AREA COMMUNITY COLLEGE



**Automotive  
Service Technology  
Program**

**ASE Certified by the  
National Automotive  
Technicians Education  
Foundation**



## AUTOMOTIVE SERVICE TECHNOLOGY

Today's automotive service industry requires skilled and knowledgeable technicians. NIACC's Automotive Service Technology program provides students with the technical education necessary to successfully start a career as a competent, skilled auto service technician.

The Automotive Service Technology program provides a comprehensive technical education by combining classroom instruction with hands-on training in a fully equipped automotive lab. NIACC's automotive lab is equipped with state-of-the-art tools, diagnostic equipment, technical resources.

Automotive Service Technology Program graduates are employed as technicians at automotive dealerships and independent service/repair facilities as general technicians or as specialty technicians.

### ASE MASTER CERTIFIED

NIACC's Automotive Service Technology Program has been awarded designation as an Automotive Service Excellence (ASE) Training Program by the National Automotive Technicians Education Foundation (NATEF). ASE Master Certification requires that the following eight instructional areas meet industry and educational standards identified by ASE and evaluated by NATEF:

- Engine Repair
- Automatic Transmission/Transaxle
- Manual Drive Train and Axles
- Suspension and Steering
- Brakes
- Electrical/Electronic Systems
- Heating and Air Conditioning
- Engine Performance

## ENTRANCE ADVISING

Due to the highly technical nature of the Automotive programs and NIACC's commitment to giving students the best possible opportunity for success, students will be scheduled for advisement sessions with counselors and program personnel. In these sessions, the student's career plans, previous educational background, transcripts, test scores, life experiences, and motivation will aid in designing a positive educational experience.

### DIPLOMA/DEGREE OPTION

Students will earn a two-year (4 ½ semester) AAS Automotive Service Technology Degree or have the option to complete the 2 ½ semester program and earn a diploma in Automotive Service. Instruction is ASE/NATEF certified in both options.

## COLLEGE TRANSFER

Through an articulation agreement with the University of Northern Iowa, graduates may continue their education by transferring to baccalaureate programs with a General Industry and Technology major. Help of a NIACC counselor or program instructor is required.

### ASE AWARD OF EXCELLENCE

The NIACC Automotive program was the 2004 National Winner of the prestigious ASE "Award of Excellence". The program was also recognized as the National Runner-Up in 2001. NIACC received the award for the state of Iowa in 2001, 2002, and 2004.

## SUGGESTED SCHEDULE ASSOCIATE OF APPLIED SCIENCE DEGREE

First Term - Fall		
<b>AUT 104</b>	<b>Intro to Automotive Technology</b>	<b>3 s.h.</b>
<b>AUT 503</b>	<b>Automotive Brake Systems</b>	<b>3 s.h.</b>
<b>AUT 403</b>	<b>Auto. Suspension &amp; Steering</b>	<b>3 s.h.</b>
<b>AUT 115</b>	<b>Automotive Shop Safety</b>	<b>1 s.h.</b>
<b>ELT 115</b>	<b>Electronic Concepts</b>	<b>3 s.h.</b>
<b>MAT 770</b>	<b>Applied Math I</b>	<b>2 s.h.</b>
<b>MAT 771</b>	<b>Applied Math II</b>	<b>2 s.h.</b>
		<b>17 s.h.</b>
Second Term - Spring		
<b>AUT 612</b>	<b>Automotive Electrical Systems I</b>	<b>3 s.h.</b>
<b>AUT 163</b>	<b>Automotive Engine Repair</b>	<b>3 s.h.</b>
<b>AUT 303</b>	<b>Auto Man. Drive Train &amp; Axles</b>	<b>3 s.h.</b>
<b>ELT 745</b>	<b>Maint. Shop Operations</b>	<b>3 s.h.</b>
<b>ENG 701</b>	<b>Communications I</b>	<b>3 s.h.</b>
		<b>15 s.h.</b>
Third Term - Summer		
<b>AUT 703</b>	<b>Auto Heating and Air-Cond.</b>	<b>3 s.h.</b>
<b>AUT 840</b>	<b>Computerized Controls</b>	<b>3 s.h.</b>
		<b>6 s.h.</b>
Fourth Term - Fall		
<b>AUT 205</b>	<b>Auto Transmissions/Transaxles</b>	<b>5 s.h.</b>
<b>AUT 832</b>	<b>Auto Fuel Delivery Systems</b>	<b>3 s.h.</b>
<b>AUT 657</b>	<b>Auto Electrical Systems II</b>	<b>5 s.h.</b>
<b>BUS 161</b>	<b>Human Relations</b>	<b>3 s.h.</b>
		<b>16 s.h.</b>
Fifth Term - Spring		
<b>AUT 865</b>	<b>Auto Eng Performance Testing</b>	<b>5 s.h.</b>
<b>AUT 857</b>	<b>Advanced Engine Performance</b>	<b>6 s.h.</b>
<b>ENG 702</b>	<b>Communications II</b>	<b>3 s.h.</b>
<b>SDV 135</b>	<b>Job Seeking Skills</b>	<b>1 s.h.</b>
		<b>15 s.h.</b>

Total 69 s.h.

### DIPLOMA OPTION SCHEDULE

Completion of First Term, Second Term, and Summer Term (2 ½ Semesters). Job Seeking Skills will be offered to students who select this option.