

## 2009-2010 Program Options:

- Basic Automotive Service Certificate (30)**
- Automotive Service Technician Diploma (34)**
- Automotive Service Technology AAS (64)**

### Occupational Certificate: Basic Automotive Service

#### **Total Number of Credits: 30**

**Program Description:** This program prepares the student to perform automotive repairs in the following areas: Tire service, lubrication, exhaust, automatic transmission, body electrical, starting, charging, brakes, steering and suspension, wheel alignment, and standard drive train. The graduate will also be prepared to take the ASE certification tests in the following areas: automatic trans/transaxle, electrical/electronic systems, suspension and steering, brakes, manual drive train and axles.

**Application Requirements:** Minimum assessment score placement in RDNG 0090 or completion of RDNG 0080 with a grade of C or higher; assessment score placement in MATH 0030 or completion of MATH 0010 with a grade of C or higher; assessment score placement in ENGL 0090 or completion of ENGL 0080 with a grade of C or higher. Completion and submission of a Century College Automotive Service Technology application form is required (available at Admissions Office).

#### **Career/Occupational requirements: 30 credits**

AST 1040	Automotive Brakes	4	AST 2010	Automotive Transmissions	4
AST 1050	Steering & Suspension Systems	3	AST 2020	Electrical Principles	3
AST 1060	Four Wheel Alignment	4	AST 2030	Body Electrical Systems	2
AST 1070	Standard Drive Train	4	AST 2040	Starting & Charging Systems	4
AST 2000	Automotive Service	2			

### Diploma: Automotive Service Technician

#### **Total Number of Credits: 34**

**Program Description:** This program prepares the student to perform automotive repairs in the following areas: engine repair and diagnosis, cooling system, emission control, computer systems, fuel injection, engine performance maintenance, and air conditioning. This person will also be prepared to take the ASE certification tests in the following areas: engine repair, engine performance, and heating and air conditioning.

**Application Requirements:** Completion of Basic Automotive Service Certificate.

#### **Career/Occupational Requirements: 28 credits**

AST 1000	Automotive Engines	4
AST 1001	Automotive Workplace Safety (formerly HLTH 1003)	1
AST 1010	Engine Diagnosis	3
AST 1020	Cooling System Service	2
AST 1030	Emission Control	3
AST 2050	Computerized Engine Control	3
AST 2060	Electronic Fuel Injection	2
AST 2070	Engine Performance Maintenance	4
AST 2080	Supplemental Computer Systems	3
AST 2090	Air Conditioning	3

#### **General Education/MnTC Requirements: 3 credits**

##### **Goal 1 – Communication: 3 credits**

Select **ONE** of the following communication courses:

ENGL 1021	Composition	4
COMM 1021	Fundamentals of Public Speaking	3
COMM 1031	Interpersonal Communication	3
COMM 1041	Small Group Communication	3
COMM 1051	Intercultural Communication	3

##### **Other Requirements: 3 credits**

WLDG 1001	Introduction to Oxyacetylene Welding	2
<b>AND</b> Choose <b>one</b> of the following:–		
WLDG 1011	Intro to Metal Inert Gas Welding	1
WLDG 1021	Intro to ARC Welding	1
<b>OR</b> General Education/MnTC course with instructor consent		
		3

### Associate in Applied Science Degree: Automotive Service Technology – See the next page.

**ASE Certified Program:** The Automotive Service Technology Program has been evaluated by the National Automotive Technicians Education Foundation (NATEF) and is certified by the National Institute for Automotive Service Excellence (ASE).

**Tool Cost:** Tools will cost approximately **\$1200.00 to \$2200.00** and need to be purchased within fifteen school days of the semester start date. Books for all AST classes will be approximately **\$150.00**.

#### **Important Telephone Numbers: (651 Area Code)**

Admission Office	773-1700
Counseling Office	779-3285
Financial Aid Office	779-3305

#### **Program Instructors:**

Tom Chall Room: 2565 East	773-1782
Tim Micko Room: 2565 East	773-1783
Bob Olson Room: 2565 East	779-3429

**Associate in Applied Science Degree: Automotive Service Technology****Total Number of Credits: 64**

**Program Description:** This program prepares a person to perform automotive repairs in the following area: computer systems, fuel injection, engine performance maintenance, air conditioning, electrical systems, and automatic transmission. This person will also be prepared to take the ASE certification tests in the following areas engine performance, air conditioning, electrical systems, and automatic transmission/transaxle. Students are also introduced to business concepts and have general education requirements that will help ensure individuals have the necessary oral, written and critical thinking skills to help them with their professional and management responsibilities.

**Application Requirements:** Completion of Automotive Service Technician Diploma

**Core Requirements: 12 credits**

ACCT 1010	Introduction to Accounting	3
BMGT 1020	Introduction to Business	3
CAPL 1010	Introduction to Software Applications	3
Select <b>ONE</b> of the following courses or other w/ instructor approval		
BMGT 2035	Human Relations in Business	3
MKTG 2005	Entrepreneurship Fundamentals	3
MKTG 2050	Principles of Marketing	3

**Career/Occupational Requirements: 30 credits**

AST 2000	Automotive Service	2
AST 2010	Automatic Transmissions	4
AST 2020	Electrical Principles	3
AST 2030	Body Electrical Systems	2
AST 2040	Starting and Charging Systems	4
AST 2050	Computerized Engine Control	3
AST 2060	Electronic Fuel Injection	2
AST 2070	Engine Performance Maintenance	4
AST 2080	Supplemental Computer Systems	3
AST 2090	Air Conditioning	3

**General Education/MnTC Requirements: 20 credits**

*Four (4) MnTC credits beyond the minimums are needed to reach 20 credits*  
*See MnTC course list for options.*

**Goal 1 – Communication: 7 credits**

ENGL 1021	Composition I	4
Select <b>ONE</b> of the following COMM courses:		
COMM 1021	Fundamentals of Public Speaking	3
COMM 1031	Interpersonal Communication	3
COMM 1041	Small Group Communication	3
COMM 1051	Intercultural Communication	3

**Goal 2 – Critical Thinking is automatically fulfilled when all other MnTC goals are complete**

**Goal 3 and/or Goal 4 – Science/Math/Logical Reasoning: 3 credits**

PHYS 1020      Physics Concepts – recommended

**Goal 5 – History/Social and Behavioral Science: 3 credits**

PSYC 1020      General Psychology – recommended

**Goal 6 – Humanities and Fine Arts: 3 credits**

**Goal 7 – 10: 3 credits in one of these four goals (Fulfilled by COMM course)**

**Additional Requirements:** Sufficient credits to total 64

**General Requirements:**

1. Certificates: Up to 30 earned college-level credits; one third of credits must be earned at Century College.  
 Diplomas: 31 to 48 earned college-level credits; one third of credits must be earned at Century College.  
 AAS: At least 64 earned college-level credits (numbered 1000 or above). At least 20 credits must be earned at Century College.
2. Century college-level GPA of 2.0; Required career and occupational courses GPA of 2.0; MnTC GPA of 2.0.
3. A grade of C or higher in ENGL 1021 (for Diplomas and 30 credit Certificates ONLY IF this is the Goal 1 course selected.)  
 (Exception: 16 credit certificates)

**Assessment: Assessments are required for all students** before registering for classes. Students may be required to take developmental courses in English, Reading and Mathematics based upon their assessment scores. For important information and exemptions see [www.century.edu/futurestudents/assessment](http://www.century.edu/futurestudents/assessment).

**References to the Minnesota General Education Transfer Curriculum (MnTC):** On this guidesheet, notations such as “Goal 1-Communication: 3 credits” are used to refer to the goals of the Minnesota General Education Transfer Curriculum. Refer to the MnTC Course List for the specific courses from which students may choose to fulfill the MnTC requirements of the program, found in the catalog, the Counseling Center and on the Century website. Students should be aware that it may be necessary to select additional MnTC credits beyond the minimum required in each goal area, to reach the total MnTC/General Education credits required for their program.

**Career Information:** Counselors are available in the Counseling and Career Center, Room 2400 West, to assist with educational and career planning. Resources available include career interest and personality inventories and print and web-based occupational and educational information, e.g., occupational descriptions, employment outlook, earnings, education/training requirements and sources. Consult the **GPS LifePlan** link on the Century website for information on these and more resources for your career, work, and educational planning!

**Transfer:** Some programs are intended primarily for employment preparation rather than transfer to a four-year institution. Some courses may not transfer to a number of four-year colleges. If you are considering the possibility of transfer, you may wish to talk with a counselor or the program instructor before registering to discuss your goals and look at programs designed for transfer.

**Time Limit for Meeting Graduation Requirements:** See Century College catalog “Graduation” for information.

**Academic Petitions:** Any exceptions to the program requirements must be petitioned through the Vice President of Academic Affairs