



### Short-Term Certificate

# Automotive Technology - Electrical/Electronics Systems

#### Details

**Completion Award:** Short-Term Proficiency Certificate  
**Program Code (EPC):** AUMAEC01

#### Program Coordinator (contact with questions)

Mike Hansen (360) 417-6540  
Office: Q Bldg. [mhansen@pencol.edu](mailto:mhansen@pencol.edu)

**Student's Name:**

**Student ID Number:**

**Advisor:**

**Advisor's Signature:**

#### Learning Outcomes

1. Identify the various computerized electrical systems, components, and component parts relating to automotive starting, charging, ignition systems, antilock brakes, safety restraint systems, ride control and air suspension, climate control, electronic 4 wheel drive and OBD I and OBD II Systems
2. Demonstrate the proper use of electrical test equipment to determine serviceability and repair necessary to automotive computer electrical components and systems
3. Demonstrate knowledge and proper diagnostic techniques of CAN systems used in modern automobiles.

Degree Requirements	Approved Substitutions	Name Of Course	Credits	Credits Completed	In Progress Qtr/Yr
ATEC 201		Automotive Electrical Systems I	6		
ATEC 202		Automotive Electrical Systems II	6		
ATEC 203		Automotive Electrical Systems III	6		
<b>CREDITS REQUIRED FOR CERTIFICATE:</b> <small>Students must earn a 2.0 or higher in the above ATEC courses to receive this certificate.</small>			<b>18</b>		

### The following information is needed to produce your certificate:

**Quarter and Year Certificate was completed:**  Fall  Winter  Spring  Summer **20**\_\_

**Name to be printed on Certificate:** \_\_\_\_\_

*First*

*Middle*

*Last*

**Mailing Address:** \_\_\_\_\_

*Street/P.O. Box*

*City*

*State*

*Zip*

*If no mailing address is provided, Certificate may be picked up at the Reception desk in the Student Services Bldg.*

#### For Office Use:

Grades verified    Date Certificate Posted: \_\_\_\_\_    Processed By: \_\_\_\_\_

Certificate Mailed    or     Forwarded to Program Advisor