# Northeastern Junior College
## AUTOMOTIVE TECHNOLOGY

**PROGRAM ADVISEMENT GUIDE**

**Two-Year A.A.S Degree – 75 Semester Credits**

**Catalog Date: 2016-2017**

**Name:** _____
**S#**_____
**Date:** _____
**Advisor:** _Layton Peterman_____

### EVEN YEAR: 2016-2017

| Fall Semester | Credits |
|---|---|
| _____ ASE-101 Auto Shop Orientation | 2 |
| _____ ASE-110 Brakes I | 2 |
| _____ ASE-111 Brakes II | 2 |
| _____ ASE-210 Power & ABS Brakes | 2 |
| _____ ASE-150 Manual Drive Train Maintenance | 2 |
| _____ ASE-151 Manual Trans/Transaxle I | 2 |
| _____ ASE-152 Manual Trans/Transaxle II | 2 |
| _____ ASE-153 Automotive Drive Axle O/H | 1 |
| _____ *ASE-154 Man Trans/Transaxle O/H (Elective)* | *1* |

| Spring Semester | Credits |
|---|---|
| _____ ASE-130 General Engine Diagnosis | 2 |
| _____ ASE-160 Engine Repair | 2 |
| _____ ASE-161 Engine Repair & O/H | 3 |
| _____ ASE-162 Automotive Engine Service | 2 |
| _____ ASE-233 Fuel Injection & Exhaust Sys II | 4 |
| _____ ASE-264 Intro to Auto Heating/AC | 1 |
| _____ ASE-265 Auto Heating/AC systems | 4 |
| _____ *ASE-165 Engine Machining (Elective)* | *2* |

### ODD YEAR: 2017-2018

| Fall Semester | Credits |
|---|---|
| _____ ASE-101 Auto Shop Orientation | 2 |
| _____ ASE-120 Basic Auto Electricity | 2 |
| _____ ASE-122 Auto Electrical Safety Systems | 1 |
| _____ ASE-123 Battery, Starting, Charging System | 2 |
| _____ ASE-140 Steering & Suspension I | 2 |
| _____ ASE-141 Steering & Suspension II | 2 |
| _____ ASE-240 Steering & Suspension III | 2 |
| _____ *ASE-220 Special Electronics (Elective)* | *2* |

**NOTE: ASE-101 Auto Shop Orientation is required of the first year student's only!**

| Spring Semester | Credits |
|---|---|
| _____ ASE-250 Auto Trans Service | 1 |
| _____ ASE-251 Auto Trans/Transaxle Diagnosis | 3 |
| _____ ASE-134 Automotive Emissions | 2 |
| _____ ASE-231 Auto/Diesel Computers | 2 |
| _____ ASE-235 Driveability & Diagnosis | 2 |
| _____ ASE-221 Auto/Diesel Body Electrical | 4 |
| _____ ASE-252 Adv. Auto Trans O/H | 2 |

**General Education Requirement's (1st year)**

| | | Credits |
|---|---|---|
| Fall Semester | | |
| _____REA-130 Technical Reading | A-Term | 2 |
| _____MAT-102 Skilled Trades & Industrial Math | B-Term | 2 |
| Spring Semester | | |
| _____ENG-115 Technical English & Comm. | B-Term | 3 |

**General Education Requirement's (2nd year)**

| | | Credits |
|---|---|---|
| Fall Semester | | |
| _____BUS-115 Intro to Business | Full | 3 |
| _____CIS-117 Intro to Technical Apps | A-Term | 2 |
| Spring Semester | | |
| _____MAN-128 Human Relations in Org | B-Term | 3 |

**There may be other general education and elective course options: Please question your academic advisor about these options?**

***Please refer to the college catalog for additional details.***
***www.njc.edu***

# Northeastern Junior College
## AUTOMOTIVE TECHNOLOGY

**PROGRAM ADVISEMENT GUIDE**

**Automotive Technology Certificates**

**Catalog Date: 2016-2017**

**Name:** _____
**S#**_____
**Date:** _____
**Advisor:** _Layton Peterman_____

**Automotive Brakes Certificate (8 credits)**

| | | |
|---|---|---|
| _____ | ASE-101 Auto Shop Orientation | 2 |
| _____ | ASE-110 Brakes I | 2 |
| _____ | ASE-111 Brakes II | 2 |
| _____ | ASE-210 Power & ABS Brakes | 2 |

**Manual Powertrains Certificate (10 credits)**

| | | |
|---|---|---|
| _____ | ASE-101 Auto Shop Orientation | 2 |
| _____ | ASE-150 Manual Drive Train Maintenance | 2 |
| _____ | ASE-151 Manual Trans/Transaxle I | 2 |
| _____ | ASE-152 Manual Trans/Transaxle II | 2 |
| _____ | ASE-153 Automotive Drive Axle O/H | 1 |
| _____ | ASE-154 Man Trans/Transaxle O/H | 1 |

**Automotive HVAC Certificate (7 credits)**

| | | |
|---|---|---|
| _____ | ASE-101 Auto Shop Orientation | 2 |
| _____ | ASE-264 Intro to Auto Heating/AC | 1 |
| _____ | ASE-265 Auto Heating/AC systems | 4 |

**Automotive Engines Certificate (11 credits)**

| | | |
|---|---|---|
| _____ | ASE-101 Auto Shop Orientation | 2 |
| _____ | ASE-130 General Engine Diagnosis | 2 |
| _____ | ASE-160 Engine Repair | 2 |
| _____ | ASE-161 Engine Repair & O/H | 3 |
| _____ | ASE-162 Automotive Engine Service | 2 |

**Automatic Transmissions Certificate (8 credits)**

| | | |
|---|---|---|
| _____ | ASE-101 Auto Shop Orientation | 2 |
| _____ | ASE-250 Auto Trans Service | 1 |
| _____ | ASE-251 Auto Trans/Transaxle Diagnosis | 3 |
| _____ | ASE-252 Adv. Auto Trans O/H | 2 |

**Automotive Electrical Certificate (7 credits)**

| | | |
|---|---|---|
| _____ | ASE-101 Auto Shop Orientation | 2 |
| _____ | ASE-120 Basic Auto Electricity | 2 |
| _____ | ASE-122 Auto Electrical Safety Systems | 1 |
| _____ | ASE-123 Battery, Starting, Charging System | 2 |

**Advanced Electrical Certificate (10 credits)**

| | | |
|---|---|---|
| _____ | ASE-101 Auto Shop Orientation | 2 |
| _____ | ASE-220 Special Electronics Training | 2 |
| _____ | ASE-221 Auto/Diesel Body Electrical | 4 |
| _____ | ASE-231 Auto/Diesel Computers | 2 |

**Steering & Suspension Certificate (8 credits)**

| | | |
|---|---|---|
| _____ | ASE-101 Auto Shop Orientation | 2 |
| _____ | ASE-140 Steering & Suspension I | 2 |
| _____ | ASE-141 Steering & Suspension II | 2 |
| _____ | ASE-240 Steering & Suspension III | 2 |

**Fuels & Emissions Certificate (12 credits)**

| | | |
|---|---|---|
| _____ | ASE-101 Auto Shop Orientation | 2 |
| _____ | ASE-134 Automotive Emissions | 2 |
| _____ | ASE-231 Auto/Diesel Computers | 2 |
| _____ | ASE-233 Fuel Injection & Exhaust Sys | 4 |
| _____ | ASE-235 Driveability & Diagnosis | 2 |

**Note: ASE-101 is required as a pre-requisite for all courses in the automotive program.**

***Please refer to the college catalog for additional details.***
***www.njc.edu***