# Diesel Technology

**Associate in Applied Science**

This academic map is a suggested semester-by-semester guide to keep you on a clear pathway to program completion. Your academic advisor will provide you with clear direction needed to stay on course and discuss scheduling options with you. Taking courses not reflected on this map may result in courses not counting toward the completion of your requirements.

Please note that program-specific courses are only offered on the Canton Campus.

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## Semester 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIES 108</td>
<td>Electrical Systems</td>
<td>3</td>
</tr>
<tr>
<td>DIES 123</td>
<td>Truck Components I</td>
<td>3</td>
</tr>
<tr>
<td>DIES 223</td>
<td>Compressed Natural Gas Engines</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH - - -</td>
<td>Math Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 15

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## Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIES 107</td>
<td>Engine Principles I</td>
<td>3</td>
</tr>
<tr>
<td>DIES 118</td>
<td>Engine Machining</td>
<td>3</td>
</tr>
<tr>
<td>DIES 124</td>
<td>Truck Components II</td>
<td>3</td>
</tr>
<tr>
<td>DIES 141</td>
<td>Fundamentals of Standby Power</td>
<td>4</td>
</tr>
<tr>
<td>Physics I Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 16

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## Semester 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIES 122</td>
<td>Fuel Systems</td>
<td>3</td>
</tr>
<tr>
<td>DIES 222</td>
<td>Electronic Engine Diagnostics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Physics II Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LA - - -</td>
<td>Liberal Arts Elective</td>
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</tr>
</tbody>
</table>

**Total Credits:** 15

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## Semester 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIES 133</td>
<td>Governing and Computer Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>DIES 134</td>
<td>Multi-Cylinder Overhaul</td>
<td>4</td>
</tr>
<tr>
<td>DIES 241</td>
<td>Environmental Healthy and Safety</td>
<td>3</td>
</tr>
<tr>
<td>DIES - - -</td>
<td>Diesel Elective</td>
<td>3</td>
</tr>
<tr>
<td>DIES 401</td>
<td>Diesel Internship</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131</td>
<td>US Since 1945</td>
<td>3</td>
</tr>
<tr>
<td>HIST 251</td>
<td>American Labor History</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 16

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### About Developmental Courses

Developmental courses do not satisfy graduation requirements, but they are required for those who place into them and will appear on the student's transcript. Placement into one of the following courses indicates that a student needs additional preparation before enrolling in college-level courses:

- ENGL 091 Preparing for College Reading I
- ENGL 092 Preparing for College Reading II
- ENGL 095 Reading and Writing Seminar
- ENGL 099 Introductory Writing
- MATH 001-003 Prep College Math I-III
- MATH 010 Fundamentals of Mathematics
- MATH 060 Math Literacy
- MATH 011 Introductory Algebra
- MATH 012 Intermediate Algebra

### Milestones

Multi-Cylinder Overhaul is a Capstone course offered in the last semester that combines all of the knowledge gained through the program to properly diagnose and repair running engines in equipment being utilized in many different applications.

### Route to Success

Summer and/or Winter Session classes may be available for your program to help you finish on time. See your advisor and/or visit the online course search for availability.

### Ready to Go

Courses have no prerequisites or developmental courses.

### Semester-specific Course Offerings

Courses are not offered all semesters.

### Minimum Grade Requirement

Students must earn a minimum grade to remain in the program.

### Electives

For details on eligible electives, please see reverse.

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Taking 15 credits/semester or 30 credits/year will help you stay on track to finish your degree in two years.

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**Congratulations!**

**You’ve Arrived!**
Diesel Technology
Associate in Applied Science

Program Notes

It is strongly recommended that the student follow the intended semester sequence since courses build upon the knowledge attained from the previous semester.

If students elect to take MATH 125 and PHYS 132, these courses are only offered in the fall.

If students elect to take MATH 126 and PHYS 133 these courses are only offered in the spring.

Math Elective: MATH 125 Technical Math I or higher


Physics II Elective: Must be the next sequential course of the Physics I Elective: PHYS 133 Concepts of Tech Physics II, PHYS 142 Technical Physics II, PHYS 152 College Physics II, or PHYS 162 General Physics II

Other Electives: Students choosing a liberal arts elective can select from the Course Elective Guide at massasoit.edu/electives.

Some courses may have prerequisites, which are courses that must be taken prior to a particular course. For details, log into DegreeWorks through your MyMassasoit portal.

A minimum of 62 credits and 20 courses is required for completion. The same course may not be used to satisfy two different course requirements.

Resources for Academic Success at Massasoit

All College phone numbers are 508-588-9100 + extension.

Registrar’s Office
massasoit.edu/registrar
registrar@massasoit.mass.edu

Testing & Assessment
massasoit.edu/testing
x1991

Financial Aid
massasoit.edu/finaid
fao@massasoit.mass.edu

Advisement & Counseling Center
massasoit.edu/advisement-counseling
advisementcounseling@massasoit.edu

Academic Resource Center
massasoit.edu/arc

Division Dean
Carine Sauvignon
emergenttech@massasoit.mass.edu
x2106

After Graduation/Completion

Explore your career and education options with CareerGPS at careergps.mass.edu.

Resources for Future Planning

Transfer Services
massasoit.edu/transfer
x1461

Career Services
massasoit.edu/careerservices
x1406

Brockton
1 Massasoit Boulevard
Brockton, MA 02302

Canton
900 Randolph Street
Canton, MA 02021

Middleborough
49 Union Street
Middleborough, MA 02346

508-588-9100
massasoit.edu

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