


## Engineering Transfer - Mechanical



Associate in Science

Semester 1		Credits
CHEM 151	General Chemistry I 	4 <input type="checkbox"/>
ENGT 140	Intro to Engineering	4 <input type="checkbox"/>
MATH 221	Calculus I	4 <input type="checkbox"/>
ENGL 101	English Composition I	3 <input type="checkbox"/>
HU	Humanities Elective	3 <input type="checkbox"/>




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Semester 2		Credits
CHEM 152	General Chemistry II	3 <input type="checkbox"/>
ENGT 277	Introduction to SOLIDWORKS <b>CHOOSE ONE</b>	3 <input type="checkbox"/>
MATH 222	Calculus II	4 <input type="checkbox"/>
PHYS 161	General Physics I	4 <input type="checkbox"/>
ENGL 102	English Composition II	3 <input type="checkbox"/>
SS	Social Science Elective	3 <input type="checkbox"/>

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Semester 3		Credits
ENGT 272	Engineering Materials 	4 <input type="checkbox"/>
ENGT 273	Statics 	3 <input type="checkbox"/>
MATH 223	Calculus III	4 <input type="checkbox"/>
PHYS 162	General Physics II	4 <input type="checkbox"/>
HU	Humanities Elective	3 <input type="checkbox"/>

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Semester 4		Credits
ENGT 274	Dynamics 	3 <input type="checkbox"/>
ENGT 275	Strength of Materials 	4 <input type="checkbox"/>
ENGL 276	Thermodynamics 	3 <input type="checkbox"/>
MATH 230	Differential Equations	4 <input type="checkbox"/>
SS	Social Science Elective	3 <input type="checkbox"/>

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This academic map is a suggested semester-by-semester guide to keep you on a clear path 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.

### About Developmental Courses

Developmental courses do not satisfy graduation requirements, but are required for those who place into them and will appear on a 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 098	Reading and Writing Studio
ENGL 099	Introductory Writing
MATH 001-003	Preparing for College Math I-III
MATH 010	Fundamentals of Mathematics
MATH 011	Introductory Algebra
MATH 012	Intermediate Algebra
MATH 060	Math Literacy
MATH 061	Non-algebra Support
MATH 065	Integrated Preparation for College Algebra

### KEY

Keep an eye out for these symbols, which give important information about certain courses.



These courses have no prerequisites or developmental courses required.



These courses are only offered in certain semesters.



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



Eligible electives for this program are listed on the reverse. Watch for this symbol.

### HELPFUL HINTS



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



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



CONGRATULATIONS  
**You've Arrived!**

## Program Notes


This curriculum is for students who want to transfer into a four-year institution to complete their bachelors of science in mechanical engineering degree. Students in this program are strongly encouraged to work closely with an engineering staff member and meet with them to determine courses for future semesters. Transfer requirements are different from one four-year institution to the next and we want to make sure that students take the courses that will provide a smooth transfer into a four-year engineering program.

Students should begin researching transfer institution options as early as possible in order to tailor their courses at Massasoit Community College if possible, and to understand the expectations and opportunities that each four-year college offers.

### Advising

Students considering transfer to UMass Dartmouth for mechanical engineering should be aware that ENGT 275 (Strength of Materials) from Massasoit will not transfer directly into UMD's Strength of Materials class. Instead, credit for this course is given to the UMD MNE 101 Intro to Mechanical Engineering course as part of the articulation agreement. This does not affect Civil Engineers. Please discuss this with engineering faculty.

An articulation agreement with UMass Dartmouth exists for the Mechanical Engineering program. Students considering a transfer to UMass Lowell for Mechanical Engineering should be aware that CHEM 152 Chemistry II is not required by that program. Students should talk to engineering faculty at Massasoit Community College about taking another science course in place of CHEM 152.

 **Electives:** Students choosing a humanities, lab science, liberal arts, modern language, or science elective can select from the Course Elective Guide at [massasoit.edu/electives](https://massasoit.edu/electives). It is strongly suggested that students choosing these courses work with engineering faculty to ensure the elective they plan to take will be accepted when they transfer.

Students transferring to UMass Lowell are advised to take ECON 201 Principles of Economics I as a social science elective.

\*Transfer Note: The **transfer maps** are only recommended for getting into some programs at particular colleges with specific grades. If you are interested in transferring, we recommend you sign up for a Transfer Information Session on our Transfer Services website: [massasoit.edu/transfer](https://massasoit.edu/transfer).

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

**A minimum of 70 credits and 20 courses is required for completion. The same course may not be used to satisfy two different course requirements.**

## After Graduation/Completion

Consider joining and/or visiting sites of professional organizations such as:

**American Society of Mechanical Engineers (ASME)** [www.asme.org](http://www.asme.org)  
**Institution for Mechanical Engineers (IME)** [www.imeche.org](http://www.imeche.org)  
**International Academy of Production Engineering (CIRP)** [www.cirp.net](http://www.cirp.net)  
**Society of Automotive Engineers (SAE)** [www.sae.org](http://www.sae.org)  
**Society of Manufacturing Engineers (SME)** [www.sme.org](http://www.sme.org)

Consider attending conferences in the area to learn more about product design and what different opportunities exist. Pursue research, mentorship, and projects at your four-year school.

## Resources for Academic Success

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

### Student Central

Admissions, financial aid, registration & payments

[massasoit.edu/studentcentral](https://massasoit.edu/studentcentral)  
[studentcentral@massasoit.mass.edu](mailto:studentcentral@massasoit.mass.edu)

Brockton | Student Center, Upper Level  
 Canton | First Floor, C121

Admissions: x1411 Financial Aid: x1479  
 Registrar: x1949 Student Accounts: x1507

### Testing & Assessment

[massasoit.edu/testing](https://massasoit.edu/testing)

Brockton | Student Center, Lower Level | x1991

### Advising, Career & Transfer Center

[massasoit.edu/act-center](https://massasoit.edu/act-center)  
[act@massasoit.edu](mailto:act@massasoit.edu)

Brockton | Student Center, Lower Level | x1461  
 Canton | First Floor, C126 | x2516

### Academic Resource Center

Tutoring & academic support services

[massasoit.edu/arc](https://massasoit.edu/arc)

Brockton | Student Center, Lower Level | x1801  
 Canton | First Floor, C126 | x2516

### Access & Disability Resources

[massasoit.edu/adr](https://massasoit.edu/adr) | x1807

### Division Dean

Katie Ruggieri, Ph.D. | [sciencemath@massasoit.edu](mailto:sciencemath@massasoit.edu) | x1508

### 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**