


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 CHOOSE ONE | 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. 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.

For more information about transfer opportunities, program pathways, course equivalencies, and upcoming transfer events, please visit 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
- Institution for Mechanical Engineers (IME)** www.imeche.org
- International Academy of Production Engineering (CIRP)** www.cirp.net
- Society of Automotive Engineers (SAE)** www.sae.org
- Society of Manufacturing Engineers (SME)** 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
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

Brockton | Student Center, Lower Level | x1991

Advising, Career & Transfer Center

massasoit.edu/act-center
act@massasoit.edu

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

Academic Resource Center

Tutoring & academic support services

massasoit.edu/arc

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

Access & Disability Resources

massasoit.edu/adr | x1807

Division Dean

Carine Sauvignon | emergenttech@massasoit.mass.edu | x2106

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