



Engineering Science Transfer – Mechanical Engineering Concentration Associate in Science

START here

SEMESTER 1 – FALL	CREDITS	MILESTONE	COMPLETED
MAT 290 – Calculus I for Engineering and Science	4		<input type="checkbox"/>
ENG 101 – English Composition I	3		<input type="checkbox"/>
EGR 101 – Introduction to Engineering	4		<input type="checkbox"/>
CHE 151 – General Chemistry for Engineering and Science I	4		<input type="checkbox"/>
PHY 171 – Physics for Engineering and Science I	4		<input type="checkbox"/>
TOTAL CREDITS	19		

SEMESTER 2 – SPRING	CREDITS	MILESTONE	COMPLETED
MAT 291 – Calculus II for Engineering and Science	4		<input type="checkbox"/>
ENG 102 – English Composition II: Introduction to Literature	3		<input type="checkbox"/>
PHY 172 – Physics for Engineering and Science II	4		<input type="checkbox"/>
ECO 140 – Macroeconomics	3		<input type="checkbox"/>
EGR 201 – Physics of Matter – taken at UML 95.245	4		<input type="checkbox"/>
TOTAL CREDITS	18		

SEMESTER 3 – FALL	CREDITS	MILESTONE	COMPLETED
MAT 292 – Calculus III for Engineering and Science	4		<input type="checkbox"/>
ETH 101 – Ethics and Society	3		<input type="checkbox"/>
Humanities elective choose from: ART 101, 105, 106; COM 103; PHL 101; ENG 113, 119, 160, 161 –or– 185	3		<input type="checkbox"/>
CAD 169 – Basic Solid Modeling 3D	3		<input type="checkbox"/>
EGR 210 – Statics	3		<input type="checkbox"/>
EGR 204 – Mechanical Behavior of Materials – taken at UML 22.296	3		<input type="checkbox"/>
TOTAL CREDITS	19		

SEMESTER 4 – SPRING	CREDITS	MILESTONE	COMPLETED
MAT 298 – Differential Equations	3		<input type="checkbox"/>
Humanities elective choose from: ART 101, 105, 106; COM 103; PHL 101; ENG 113, 119, 160, 161 –or– 185	3		<input type="checkbox"/>
Behavioral science elective chose from: ANT 101; PSY 101, 122, 150, 151; SOC 101 –or– 150	3		<input type="checkbox"/>
EGR 202 – Strength of Materials – taken at UML 22.212 (14.204)	3		<input type="checkbox"/>
EGR 203 – Dynamics – taken at UML 22.213 (14.205)	3		<input type="checkbox"/>
TOTAL CREDITS	15		

You've FINISHED!

Milestone Courses
should be taken in the order shown. This will help you stay on track and graduate on time.

Make Your Summer Matter. Summer is a great time to take some elective courses and get ahead.

Helpful Hints

- Students must begin the Calculus sequence in semester I.
- MAT 290 – Calculus I must be taken concurrently with, or prior to, PHY 171.
- MAT 291 – Calculus II must be taken concurrently with, or prior to, PHY 172.
- Students begin taking reverse-transfer courses at UML during their second semester.
- Individual electives vary by engineering concentration. MCC students will take their engineering electives at UML, and receive full credit toward their associate degree through the reverse articulation agreement that is part of this program.
- Students who wish to transfer to four-year institutions other than UML upon completion of their associate degree should consult with Advising early in the program.

Career and Transfer Outlook

Career opportunities are open to students who transfer and complete a bachelor's degree. Engineers design complex systems, solve technical problems, and provide supervision and leadership.

To learn more, call us at 1-800-818-3434 or visit www.middlesex.mass.edu