THE UNIVERSITY OF RHODE ISLAND

MECHANICAL ENGINEERING ACADEMIC MAP
College of Engineering

Major Code: EN_MCEG_BS
Total Credits: 122
Catalog Year: 2014-2015

We create the products that you use every day. Our work enhances cars, energy systems, medical devices, nuclear power and other equipment upon which our society depends. Our labs develop blast-resistant materials, innovative medical diagnostic tools and new alloy materials. For more information, see http://egr.uri.edu/mcise/

SEMESTER 1	CREDITS
CHM 101*	3
CHM 102*	1
EGR 105*	1
MTH 141*	4
Gen Ed (see below)	3
Gen Ed (see below)	3
TOTAL CREDITS	15

SEMESTER 1 MILESTONES
Overall GPA 2.00
Meet with advisor - *Required for registration*
*Complete with "C-" or better

SEMESTER 2	CREDITS
ECN 201	3
EGR 106*	2
MTH 142*	4
PHY 203*	3
PHY 273*	1
Gen Ed (see below)	3
TOTAL CREDITS	16

SEMESTER 2 MILESTONES
Overall GPA 2.00
Meet with advisor - *Required for registration*
*Complete with "C-" or better
Complete 30 credits (or consider summer/winter J-term courses)

SEMESTER 3	CREDITS
ISE 240	3
ISE 241	1
MCE 201	3
MCE 262	3
MTH 243	3
PHY 204*	3
PHY 274*	1
TOTAL CREDITS	17

SEMESTER 3 MILESTONES
Overall GPA 2.00
*Complete with "C-" or better
Meet with advisor - Required for registration
To be admitted to the COE, students must complete at least 24 credits (including transfer credits) with a grade point average of 2.00 or better, and must also complete the following required courses with a grade point average of 2.00 or better and a grade of "C-" or better in each course: CHM 101/102, EGR 105, EGR 106, MTH 141, MTH 142, PHY 203/273, and either PHY 204/274 or CHM 112/114.

SEMESTER 4	CREDITS
CVE 220	3
ISE 220	1
MCE 263	3
MTH 244	3
PHY 205	3
PHY 275	1
TOTAL CREDITS	14

SEMESTER 4 MILESTONES
Overall GPA 2.00
Meet with advisor - *Required for registration*
Complete 60 credits (or consider summer/winter J-term courses)

GENERAL EDUCATION REQUIREMENTS FOR THIS MAJOR

Complete All

- ☐ English Communication [GE-ECw]
- ☐ Fine Arts & Literature [GE-A]
- ☐ Foreign Language/Culture [GE-FC]
- ☐ Letters [GE-L]

Note: Only one (1) of the "100" level writing (WRT) courses can be applied to fulfill your general education

Choose One

- ☐ English Communication [GE-ECw or EC]
- ☐ Fine Arts & Literature [GE-A]
- ☐ Foreign Language/Culture [GE-FC]
- ☐ Letters [GE-L]
- ☐ Social Sciences [GE-S]

Approved by: Date:

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SEMESTER 5	CREDITS
CHE 333	3
MCE 301	3
MCE 341	3
MCE 354	3
MCE 372	3
TOTAL CREDITS	15

SEMESTER 5 MILESTONES
Overall GPA 2.00
Meet with advisor – *Required for registration*

SEMESTER 6	CREDITS
MCE 302	3
MCE 313	3
MCE 348	3
MCE 366	3
ELE 220	3
TOTAL CREDITS	15

SEMESTER 6 MILESTONES
Overall GPA 2.00
Meet with advisor – *Required for registration*
Complete 90 credits (or consider summer/winter J-term courses)

SEMESTER 7	CREDITS
MCE 401	3
MCE 414	3
Professional Elective	3
Professional Elective	3
Gen Ed (see previous page)	3
TOTAL CREDITS	15

SEMESTER 7 MILESTONES
Overall GPA 2.00
Meet with advisor - *Required for registration and to complete Declaration of Intent to Graduate form*
Meet with Associate Dean for Degree Audit and Exit Interview - *Required for graduation*

SEMESTER 8	CREDITS
MCE 402	3
Professional Elective	3
Professional Elective	3
Gen Ed (see previous page)	3
Free elective	3
TOTAL CREDITS	15

SEMESTER 8 MILESTONES
Overall GPA 2.00
Meet with advisor – *Required*
Complete 122 credits with a 2.00 or higher in all required science, math, engineering and professional elective courses (or consider summer courses) - *Required for graduation*

CAREER OPPORTUNITIES (bls.gov): What Mechanical Engineers Do: Mechanical engineering is one of the broadest engineering disciplines. Mechanical engineers design, develop, build, and test mechanical and thermal devices, including tools, engines, and machines. Mechanical engineers generally work in professional office settings. They may occasionally visit worksites where a problem or piece of equipment needs their personal attention. Mechanical engineers work mostly in engineering services, research and development, manufacturing industries, and the federal government. Students should contact the Center for Career and Experiential Education with questions regarding internships and career advice: http://web.uri.edu/career/ or Annie Jones (jonesa@egr.uri.edu), COE Experiential Learning Coordinator.

INTERNATIONAL OPPORTUNITIES: International study may include course work towards degree requirements or internships. International study may impact the map; therefore, you must consult with your academic advisor before participating in an international opportunity. You also must contact the Office of International Education: http://www.uri.edu/international

ELIGIBILITY FOR ADMISSION TO THE COLLEGE OF ENGINEERING: Completed 24 credits, including transfer credits, with a GPA of 2.00 or better, and must also complete the following required courses with a GPA of 2.00 and grade of "C-" or better in each course: MTH 141, MTH 142, CHM 101/102, PHY 203/273, EGR 105, EGR 106, and either PHY 204/274 or CHM 112/114.

NOTE: This map is a semester-by-semester course schedule for your major, and is the guideline to help you build a full schedule each term. Milestones shown for each semester indicate the requirements to keep you on course for timely progress to complete this major and graduate in four years. Official requirements for graduation are listed in the University Catalog.

Approved by: Date: