Bachelor of Science in Robotics Engineering (BSRE) Flowchart (Fall 2013, 136 credit hours)

**FRESHMAN**
- MCS 1514 Computer Science 1
- MCS 2514 Computer Science 2
- MCS 1414 Calculus 1
- SSC 2413 Foundations of American Exper.
- COM 1103 English Composition
- LLT 1213 World Masterpieces 1
- COM 1001 University Seminar

**SOPHOMORE**
- MCS 2523 Discrete Mathematics
- EME 1011 Foundations of Mechanical Eng.
- MCS 1424 Calculus 2
- COM 2103 Tech & Prof Communication
- EME 2012 Mechanical Eng Graphics
- COM 1003 English Composition
- SSC 2423 Development of American Exper.
- LLT 1223 World Masterpieces 2

**JUNIOR**
- MCS 2534 Data Structures
- EME 4603 Intro. to Mechanical Sys.
- MCS 2414 Calculus 3
- MCS 2423 Differential Equations
- EME 4613 Intro. to Thermal Sys.
- EEE 2123 Circuits & Electronics
- EME 3114 Sys. Modeling & Control
- MCS 3863 Linear Algebra
- ERE 2044 Unified Robotics I
- COM 3000 Writing Proficiency Exam
- LDR 3000 Leadership Seminar
- LDR 4000 Leadership Capstone

**SENIOR**
- PHY 2413 University Physics 1
- PHY 2421 Univ. Physics 1 Laboratory
- PHY 2423 University Physics 2
- PHY 2431 Univ. Physics 2 Laboratory
- EEE 2214 Digital Elect. and Lab.
- EEE 2123 Circuits & Electronics
- EME 3011 Introduction to Eng. Projects
- EME 4113 Discrete Control
- EME 3233 Microprocessors
- ERE 3024 Unified Robotics III
- EME 3403 Probability & Statistics
- EME 4014 Unified Robotics IV
- EME 4243 Embedded Systems
- EME 4252 Senior Project Fundamentals
- EME 4253 Sr. Capstone Project
- EME 4256 Senior Project Capstone

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**Legend**
- 1 2 Prerequisite (course 1 must be taken before course 2)
- 1 2 Corequisite (courses 1 and 2 must be taken concurrently)
- 1 2 Courses 1 and 2 may be taken concurrently or course 1 may be taken first before taking course 2

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1 All graduating seniors must submit a Petition to Graduate form which is available at the One Stop Center. Form must be submitted at least one semester prior to the semester in which the student plans to graduate. Check deadlines for petitioning to graduate at the Registrar Office webpage.

* A list of approved technical elective courses is available at the Mechanical Engineering Dept. (room E29).

◆ Take exam when 60-80 credit hours have been completed.

★ Take during or after Senior Project Sequence (EME3011, EME4252, EME4253).

◆ Check Bannerweb to ensure that all course prerequisites, in addition to COM 3000, are satisfied.