Bachelor of Science in Robotics Engineering (BSRE) Flowchart (Fall 2020, 136 credit hours)

**FRESHMAN**
15 credit hours

- MCS1414 Calculus 1
- MCS1074
- COM 0094
- SSC2413 Foundations of American Exper.
- COM 1103 College Composition
- LLT1213 World Masterpieces 1
- EME2012 Mechanical Eng. Graphics
- EGE3012 Engineering Cost Analysis

**SOPHOMORE**
17 credit hours

- PHY2413 University Physics 1
- MCS1424 Calculus 2
- EGE2013 Statics
- LLC1213 World Masterpieces 1
- EGE3012 Engineering Cost Analysis

**JUNIOR**
18 credit hours

- PHY2423 University Physics 2
- EGE2013 Statics
- MCS2514 Computer Science 2
- EME2024 Unified Robotics I
- EME3024 Unified Robotics IV
- LLC1223 World Masterpieces 2
- EME4014 Unified Robotics IV

**SENIOR**
18 credit hours

- MCS2523 Discrete Mathematics
- EME3034 Discrete Control
- EME3014 Unified Robotics II
- EME3112 Introduction to Projects
- MRE/EME/EEE/MCS 4/5xx3 Tech. Elective
- MRE3011 Unified Robotics III
- EME4113 Intro. to Thermal Sys.
- MRE/EME/EEE/MCS 4/5xx3 Tech. Elective
- MRE3024 Unified Robotics IV
- MRE3114 Sys. Modeling & Control
- MRE/EME/EEE/MCS 4/5xx3 Tech. Elective
- MRE3014 Unified Robotics II
- EME3022 Leadership & Prof. Develop. for Eng.
- MRE/EME/EEE/MCS 4/5xx3 Tech. Elective
- MRE3024 Unified Robotics IV
- MRE4902 Capstone Projects 1
- MRE4912 Capstone Projects 2

**Legend**

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

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.

* See list of approved elective courses and their associated GPA requirements at the MRIE Dept., room E29, or at the Mechanical Engineering Students Undergraduate Canvas site.

* Check Bannerweb to ensure that all course prerequisites are satisfied.