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

**FRESHMAN**
- 15 credit hours
- 18 credit hours
- MCS1414 Calculus 1
- PHYS213 University Physics 1
- MCS1074
- COM 0094
- EGE1001 Fundamentals of Engineering Design
- MCS114 Computer Science 1
- SSC2413 Foundations of American Experience
- COM1103 College Composition
- LLT1213 World Masterpieces 1
- EME2012 Mechanical Engineering Graphics

**SOPHOMORE**
- 17 credit hours
- 18 credit hours
- MCS2414 Calculus 3
- PHYS241 University Physics 2
- EGE2013 Statics
- MCS2514 Computer Science 2
- COM2103 Technical and Professional Communication
- SSC2423 Development of American Experience
- MCS3863 Linear Algebra
- EGE3012 Engineering Cost Analysis

**JUNIOR**
- 18 credit hours
- 18 credit hours
- MCS2523 Discrete Mathematics
- PHYS2431 University Physics 2 Laboratory
- EME3043 Dynamics
- MCS2414 Calculus 3
- COM1103
- EEM3014 Mechanics of Materials
- MCS2514 Computer Science 2
- COM3000 Writing Proficiency Exam
- MCS3024 Unified Robotics III
- EME3114 Leadership and Professional Development for Engineers

**SENIOR**
- 14 credit hours
- MRE3024 Unified Robotics IV
- EME4613 Introduction to Thermal Systems
- MRE4113 Discrete Control
- EME/EEE/MCS/ERE 4/5xx3 Technical Elective
- MRE4902 Capstone Projects 1
- EME/EEE/MCS/ERE 4/5xx3 Technical Elective
- EME/EEE/MCS/ERE 4/5xx3 Technical Elective
- MRE4912 Capstone Projects 2
- LLT/PSY/SSC 3/4xx3 Jr/Sr Human Elect.

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

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.

**Classification**
- Freshman 0-29
- Sophomore 30-59
- Junior 60-89
- Senior 90+

**Credit Hrs**
- G. Kfoury 5-9-2020

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

berapa kelebihan dari [structure] Nama: ___________________________ I.D. # ________________________

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