Name:	I.D. #
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Engineering Accreditation Commission ABET



## Bachelor of Science in Mechanical Engineering (BSME) Flowchart (Fall 2020, 132 credit hours)

**FRESHMAN SOPHOMORE JUNIOR** SENIOR # EME 3112 Introduction to Projects is only offered once a year in the Spring semester. EME 3123, EME 4003 **EME 4212 EME 4221 ►** EEE 2123 **EME 2012 PHY 2413 PHY 2423** EME 3653, EME 3133 Competition Competition Mechanical Eng. University University Projects 1 Projects 2 Graphics EME 3112 Physics 1 Physics 2 Introduction to OR <u>OR</u> **Projects CHM 1213 PHY 2421 PHY 2431 EME 4312 EME 4321 EME 3023** University Univ. Physics 1 Univ. Physics 2 EME 3123, EME 4003 dus. Sponsored dus. Sponsored Manufacturing Laboratory Laboratory Projects B Chemistry 1 Projects A Processes EME 3653. EME 3133 **CHM 1221 EGE 1023 EME 3123 EME 4013 EME 4412** EME 4212 EME 4312 **EGE 3003 EGE 2013** Univ. Chemistry Fluid Heat Engineering Thermal Thermodynamics **Statics** Laboratory Materials I Mechanics Transfer Science Lab MCS 1074 **EGE 1001 EME 1011** EGE 2123 **EME 3013 EME 3133 EME 4402** Foundations of Entrepreneurial Mechanics of Kinematics & Dvn Fund, of Ena Mechanics Mechanical Eng. Eng. Design Studio of Machines Materials Design Proj. Laboratory COM 0094 MCS 2423 **EME 4003** EME/MRE 4/5xx3 EME 4212 EME 4312 **EME 3043** MCS 1414 MCS 1424 MCS 2414 Differential Design of Mach Tech. Elective or **Dynamics** Calculus 1 Calculus 2 Calculus 3 Equations Elements 3 Co-op credits EME 2011 MCS 3403 **EEE 2123** EME 3653 EME/MRE 4/5xx3 **EME 4654** Materials Probability & Circuits & Measurement Tech. Elective\* Mechatronics Laboratory **Statistics Electronics** Systems (see list) **COM 1103 LLT 1213 LLT 1223** MCS 3863 **EME 3033** EME/MRE 4/5xx3 EME/MRE 4/5xx3 College World World Tech. Elective\* Linear Eng. Numerical Tech Flective\* Composition Masterpieces 1 Masterpieces 2 Algebra Methods (see list) (see list) SSC 2413 **COM 2103** SSC 2423 EGE 3022 EGE 3012 LLT/SSC/PSY Foundations of Tech. & Prof. Leadership & Prof. 3/4xx3 Development of Engineering Develop. for Eng. American Exper. Communication American Exper. Cost Analysis Jr/Sr Hum. Elec. **EGE 1102** Eng. Computer Application Lab Legend Classification Credit Hrs 0-29 Freshman Prerequisite (course 1 must be taken before course 2) Sophomore 30-59 Courses 1 and 2 may be taken concurrently or course 1 Junior 60-89 may be taken first before taking course 2 C. Riedel

Freshman/Sophomore general education requirements (COM, LLT and SSC courses) must be completed before Junior year (60 credit hours) or you will be placed on probation.

Senior

90+

11-19-2020

<sup>#</sup> 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. Official petition deadlines can be found at the Registrar Office webpage.

<sup>\*</sup> 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.

<sup>♦</sup> Check Bannerweb to ensure that all course prerequisites are satisfied.