## **ENGINEERING SCIENCE** 3<sup>rd</sup> Semester 4<sup>th</sup> Semester 5<sup>th</sup> Semester 1<sup>st</sup> Semester 2<sup>nd</sup> Semester 6<sup>th</sup> Semester 7<sup>th</sup> Semester 8<sup>th</sup> Semester 16 Credits 15.5 Credits 16 Credits 19 Credits 16 Credits 17 Credits 16 Credits 16.5 Credits ESC 409^^ **CHEM 111** ESC 411^^ [1 Credit] [1 Credit] **CHEM 110\*#** ESC 410H^^ [2 Credits] EMCH 212H\*^ | EMCH 210H\*^ FF 210 [3 Credits] [3 Credits] [3 Credits] FOUNDATIONAL (Prerequisite [4 Credits] **CMPSC 201 ELECTIVE** Math 140) or ESC 261M [5 Credits] (SEE BELOW) **TECHNICAL** [3 Credits] [3 Credits] **ELECTIVE TECHNICAL ECON 102** [3 Credits] **ELECTIVE** or 104 FOUNDATIONAL ESC 414M\*^^ [3 Credits] **ELECTIVE** [3 Credits] **MATH 220** [3 Credits] **ENGL 015\*** or **MATH 230** [3 Credits] (SEE BELOW) **ENGL 030\* or** [4 Credits] ESL 015\* [3 Credits] **TECHNICAL** [3 Credits] ESC 433^^~ ELECTIVE ESC 404\*^^ [1 Credit] EDSGN 100\*# [3 Credits] [3 Credits] [3 Credits] OUNDATIONAL **MATH 251\* FYS ELECTIVE** [1 Credit] [4 Credits] **EMCH 302H<sup>~</sup>** (SEE BELOW) [4 Credits] ESC 407\*^^ [3 Credits] **GEN ED** [3 Credits] **TECHNICAL** [3 Credits] **ELECTIVE GEN ED** MATH 141\*# FOUNDATIONAL [3 Credits] [3 Credits] [4 Credits] ELECTIVE **PHYS 212\*** (SEE BELOW) [4 Credits] ESC 312 **ENGL 202C\* PHYS 214** [3 Credits] **GEN ED** [3 Credits] [2 Credits] (ENGL 015 is [3 Credits] Prerequisite) FOUNDATIONAL **MATH 140\*# ELECTIVE** [3 Credits] **PHYS 211\*#** [4 Credits] (SEE BELOW) [4 Credits] **GEN ED** CAS 100 A/B\* **GHW GHW** [3 Credits] [3 Credits] **GEN ED** [3 Credits] [1.5 Credits] [1.5 Credits] [3 Credits] Foundational Electives (FE) with prerequisites Core (Select 3-5 Courses) Alternative FEs (0-2 Courses) CHEM 112 (3cr) Departmental list contains \* Course requires a grade of C or better for the major - CHEM 110 **Spring Only** Fall Only courses from AERSP, AE, BE, # Course is an Entrance to Major requirement AERSP 308H (3cr) [SP] BMB, BME, BIOL, CE, CHE, Courses Courses - EMCH 212, MÀTH 251 ~ Prerequisites include multiple ETM courses CHEM, CMPEN, CMPSC, EE, ESC, EMCH 416H (3cr) [SP] EGEE, ENGR, IE, ME, MATH, ^ An alternate course is available the other semester - EMCH 213 or 210 MATSE, METEO, NUCE, and ESC 400H (3cr) [SP] ^^ Honors course This is meant to support the current Suggested Academic Plan found at - EE 210, MÀTH 250 others by petition. ESC 419 (3cr) [SP]

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