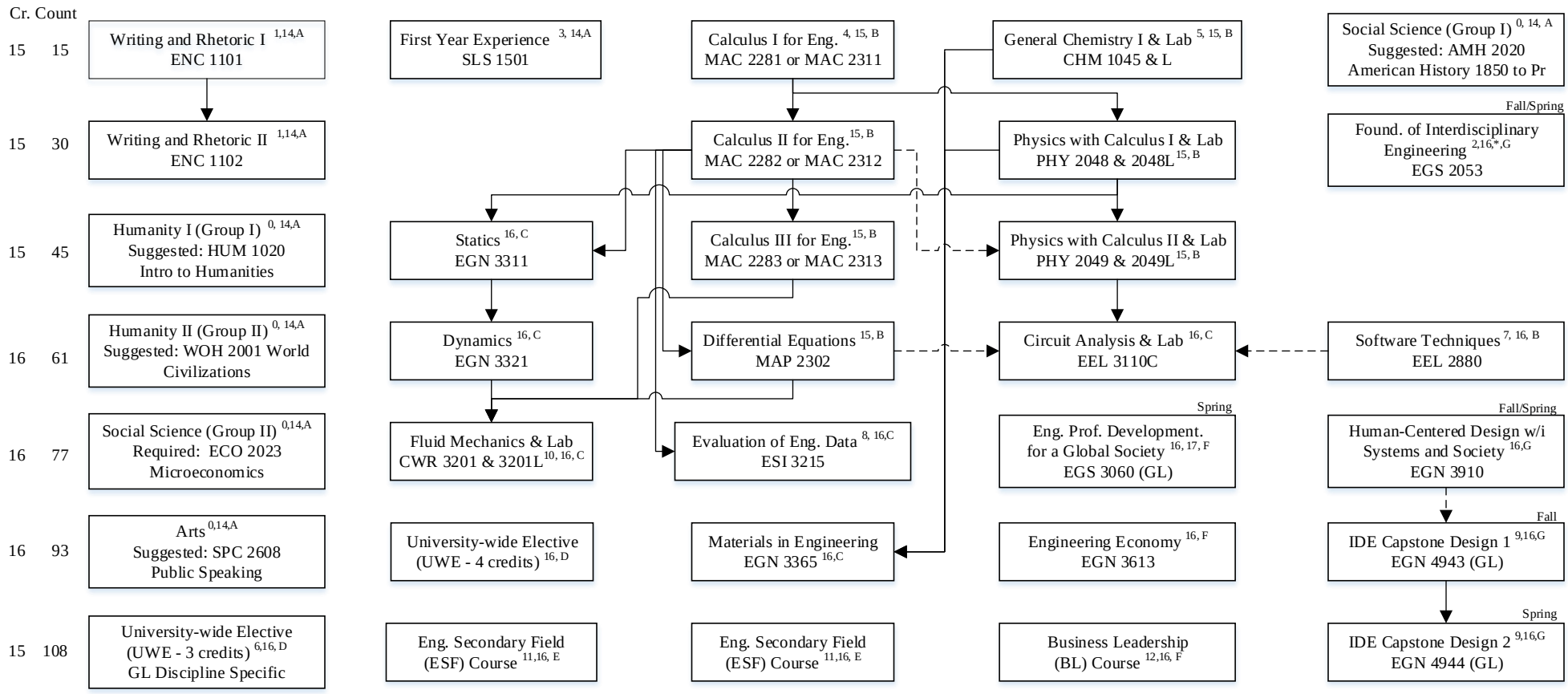
Interdisciplinary Engineering Flowchart



Other Requirements (Must be completed for graduation):
GWR1:_____ GWR2:_____ Foreign Language:_____ 9 Summer Credit Hours:_____ UCC:_____ Civics: _____
GL1:_____ GL2:_____ ESF: ____/12crd BL: ____/6cr UWE: ____/7crd Total Credits: _____ / 120

University Core Curriculum (UCC): 19 credits — A
Common Pre-requisites: 35 credits — B
Eng. Foundation: 23 credits — C
University Wide Electives: 7 credits — D
Engineering Secondary Field: 12 credits — E
Eng. Business & Leadership: 12 credits — F
Interdisc. Proj. Experiences: 12 credits — G

Summer 2023 Rev 5/21/2023

Notes

[0] ECO 2023 is an IDE required common pre-requisite course satisfying UCC Social Science Group 2. A list of alternative courses that fulfill other UCC categories can be found at: https://acs.fiu.edu/offices-services/advising/university-core-curriculum-updated-6-17-20.pdf.

[1] Students w/> 30 transfer credits may be able to substitute ENC 1101 & ENC 1102 with: 1) ENC 2301 and 2) one of the following: ENC 3211, ENC 3311 or ENC 3317

[2] Waiveable for AA transfer students; other transfer students should see an advisor; may substitute with department-specific equivalents (EGS 1006, EGN 1002 and ECS 2030). These courses are not required for students who select EGN 2053 Foundations of Interdisciplinary Engineering.

[3] Students w/> 30 transfer credits may be able to waive SLS 1501.

[4] Prerequisite: MAC 1105 + MAC 1147

[5] Prerequisite: Second year high school algebra or MAC 1105 College Algebra

[6] Alternative course list found at: https://goglobal.fiu.edu/courses/discipline-specific-course-list/

[7] May substitute with EML2032, COP 2210, COP 2250, COP 2270 or other approved programming course.

[8] May substitute with STA 3033 or STA 3111.

[9] The IDE Capstone Design sequence is taken in two consecutive semesters starting in the junior year.

[10] May be substituted via EML 3126 & EML 3126L, EGN 3343 or other approved Engineering Science course. If the replacement course is 3 credits the student may take an approved Engineering Lab coupled with an approved ESF course to make up the credit deficiency.

[11] Students must select twelve credits of additional required or elective courses in a degree-granting ABET-accredited program in the College of Engineering and Computing (CEC) to form a coherent secondary field. At least nine credits must be upper division (3000+ level) courses hosted in CEC. Must be pre-approved by SUCCEED.

[12] List held by SUCCEED.

[13] EGN 3945, pre-approved, co-op or independent study are recommended. Project course in engineering (list held by SUCCEED).

[(*)] EGN 2053 can be taken together with EGN 3910 but NOT together with EGN 4943.

Minimum Passing Grades

[14] Courses that are part of the University Core Curriculum (UCC) that are not Gordon Rule can be passed with a D, otherwise a grade of C or better is required. See note "0" for the University Core Curriculum (UCC) requirements.

[15] CHM, MAC, MAP, PHY prefix courses must be passed with C or better.

[16] Courses that are part of the student's study plan can be passed with a D unless a grade or C or higher is required by the teaching department to register for another course in the student's current study plan.

Engineering Secondary Field Courses (12 credits)

Can be required or elective engineering courses in a degree-granting ABET-accredited program in the College of Engineering and Computing (CEC) **and form a coherent secondary field.** At least nine credits must be upper division courses hosted in CEC. See advisor for approval. Coherent course prefixes may include:

- Biomedical Engineering: BME; • Civil, Environmental Engineering: CES, CGN, CWR, EGM, EGN, ENV, TTE;
- Electrical, Computer Engineering: EEL, EEE, TCN, CNT; • Mechanical Engineering: EGM, EGN, EMA, EML, EAS;
- Industrial Engineering: EIN, ESI;

Business Leadership Courses (6 credits)

List held by SUCCEED. Courses may include: EGS 3060, MAN 3022, MAR 3023 (GL), EEL 4933, EEL 4062, EEL 4063.

[17] EGS 3060 may be substituted with a SUCCEED approved Business Leadership course.