

POSSIBLE COURSE SEQUENCE
Bachelor of Science in Engineering & Management Science (BSEMS)
(8 semesters)

Semester 1 (16 SCH)
Che 1401 General Chemistry I Csc 1401 Computer Programming Eng 1301 English Composition I Mth 1303 Differential & Integral Calculus Ssk 1211 Study Skills ①

Semester 2 (15 SCH)
Arb 13xx Arabic or Frn x3xx French ② Csc 2302 Data Structures Mth 2301 Multivariable Calculus Phy 1401 Physics I Ssk 1212 Study Skills ①

Semester 3 (18 SCH)
Acc 2301 Accounting Principles I Csc 2303 Advanced Prog./Object-Oriented Programming Eng 2303 Technical Writing Phy 1402 Physics II Ssk 1213 Study Skills ① Com 1301 Com. Speaking

Semester 4 (16 SCH) (semester suitable for exchange)
Che 1402 General Chemistry II Egr 2302 Engineering Economics Egr 3331 Digital Design His x301 or Psc 2301 History or Political Science ③ Mth 2303 Linear Algebra & Matrix Theory

Semester 5 (16 SCH) (semester suitable for exchange)
Arb 13xx Arabic / Frn x3xx French ② Frn/Arb Egr 2402 Electrical Circuits Lit 230x, Hum 330x, or Phi 2301 ④ Mgt 3301 Principles of Management Mth 2304 Differential Equations

Semester 6 (18 SCH)
Csc 3324 Software Engineering I Egr 3304 Materials Science Fin 3301 Business and Corporate Finance Hum 3305, Hum 3306, or Phi 230x ⑦ Mth 3301 Probability and Statistics for Engineers Soc 1301, Psy 1301, SSC 1310, GEO1301 ⑧

Semester 7 (15 SCH)
Csc 3326 Database Systems Egr 3306 Engineering Instrumentation I Egr 3308 Thermal Engineering Mgt 3303 Operations Management Elective 1

Semester 8 (17 SCH)
Csc 3323 or 3325 Algorithm Analysis or Software Engineering II ⑥ Egr 3402 Statics & Dynamics Egr 4402 Capstone Design Gbu 3401 Advanced Quantitative Methods in Business Elective 2

Summer Session (3 SCH)
Egr 4300 Internship ⑤

TOTAL SCH: 134

Notes:

- ① Ssk121x courses should be taken in the first semesters.
- ② Arb 13xx or Frn x3xx: Registration by placement tests only.
- ③ His 1301, His 2301, **or** Psc 2301.
- ④ Lit 2301, Hum 3301, Hum 3302, Hum 3303 (Arabic version), **or** Phi 2301.
- ⑤ Two options: (1) Internship in the summer, **or** (2) 7-SCH Internship for 4-6 months: Internship + Capstone.
- ⑥ Select one course: Csc 3323 **or** 3325.
- ⑦ Select one course: Hum 3305, Hum 3306, **or** Phi 230x
- ⑧ Select one course: Soc 1301, Psy 1301, SSC 1310 or GEO1301

This sequence is subject to change at any time by appropriate action of the University.