

POSSIBLE COURSE SEQUENCE

Bachelor of Science in Engineering & Management Science

BSEMS

(9 Semesters)

Semester 1 (14 SCH)

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|----------|--|
| Arb 13xx | Arabic |
| Csc 1401 | Computer Programming |
| Mth 1303 | Differential & Integral Calculus |
| Ssk 1201 | Skills for Learning and Research |
| Ssk 1203 | Computer Skills for Independent Learning |

Semester 2 (14 SCH)

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| Csc 2302 | Data Structures |
| Mth 2301 | Multivariable Calculus |
| Phy 1401 | Physics I |
| Ssk 1202 | Critical Reading and Problem Solving |
| Ssk 1205 | Interpersonal Skills & Social Interaction |

Semester 3 (15 SCH)

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| Acc 2301 | Accounting Principles I |
| Csc 2303 | Advanced Prog./Object-Oriented Programming |
| Eng 1301 | English Composition I |
| Phy 1402 | Physics II |
| Ssk 1204 | Applied Independent Learning Methods |

Semester 4 (14 SCH)

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| Egr 2302 | Engineering Economics |
| Egr 3331 | Digital Design |
| Eng 1302 | English Composition II |
| Mth 2303 | Linear Algebra & Matrix Theory |
| Ped 1201 | Physical Education: Fitness For Living |

Semester 5 (15 SCH)

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| Che 1401 | General Chemistry I |
| Com 1301 | Communication through Speaking |
| Frn 12xx | French |
| Mgt 3301 | Principles of Management |
| Mth 2304 | Differential Equations |

Semester 6 (16 SCH)

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| Che 1402 | General Chemistry II |
| Csc 3324 | Software Engineering I |
| Fin 3301 | Business and Corporate Finance |
| Mth 3301 | Probability and Statistics for Engineers |
| Psy 1301 | Introduction to psychology or Soc 1301 or Ssc 1310 |

Semester 7 (16 SCH)

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| Csc 3326 | Database Systems |
| Egr 2402 | Electrical Circuits |
| Egr 3304 | Materials Science |
| His 1301 | History of the Arab World or His 2301 or Psc 2301 |
| Mgt 3303 | Operations Management |

Semester 8 (16 SCH)

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| Csc 3323 | Algorithms or Csc 3325 |
| Egr 3402 | Statics & Dynamics |
| Egr 3306 | Engineering Instrumentation I |
| Lit 2301 | Major Works of World Literature or Hum 3301 or Hum 3302 or Hum 3306 or Phi 2301 |
| 1 st Elective course | |

Semester 9 (16 or 17 SCH)

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| Arb 13xx or Frn 12xx | Arabic or French |
| Egr 3308 | Thermal Engineering |
| Egr 4402 | Capstone Design |
| Gbu 3401 | Advanced Quantitative Methods in Business |
| 2 nd Elective course | |

Summer Session (3 SCH)

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| Egr 4300 | Internship |
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TOTAL SCH: 139 - 140

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