

**POSSIBLE COURSE SEQUENCE**  
**Bachelor of Science in Computer Science**  
**(9 Semesters)**

BSCS

**Semester 1 (14 SCH)**

Csc 1401 Computer Programming I  
Mth 1304 Discrete Mathematics for Engineering  
Ssk 1203 Computer Skills for Independent Learning  
Arb 13xx Arabic  
Ssk 1201 Skills for Learning and Research

**Semester 2 (14 SCH)**

Csc 2302 Data Structures  
Mth 1303 Differential & Integral Calculus  
Ssk 1205 Interpersonal Skills & Social Interaction  
Psy 1301 Introduction to psychology or Soc 1301 or  
Ssc 1310  
Eng 1301 English Composition I

**Semester 3 (16 SCH)**

Csc 2303 Advanced Prog. /Object-Oriented Prog.  
Mth 2301 Multivariable Calculus  
Phy 1401 Physics I  
Che 1401 Chemistry or Bio 1401 or Bio 1402  
Ssk 1202 Critical Reading and Problem Solving

**Semester 4 (18 SCH)**

Com 1301 Communication through Speaking  
Csc 33xx Computer Science Major  
Csc 33xx Computer Science Major  
Egr 2302 Engineering Economics  
Phy 1402 Physics II  
Ssk 1204 Applied Independent Learning Methods

**Semester 5 (16 SCH)**

Eng 1302 English Composition II  
Frn 12xx French  
Csc 33xx Computer Science Major  
Egr 3331 Digital Design  
Ped 1201 Physical Education: Fitness For Living  
1<sup>st</sup> Minor course

**Semester 6 (14-15 SCH)**

Arb 13xx or Frn 12xx Arabic or French  
Csc 2304 Computer Architecture  
Csc 33xx Computer Science Major  
Lit 2301 Major Works of world literature or Hum 3301 or  
Hum 3302 or Hum 3306 or Phi 2301  
2<sup>nd</sup> Minor course

**Semester 7 (15 SCH)**

Csc 33xx Computer Science Major  
Csc 33xx Computer Science Major  
His 1301 History of the Arab World or His 2301 or Psc  
2301  
Mth 3301 Probability and Statistics for Engineers  
3<sup>rd</sup> Minor course

**Semester 8 (15 SCH)**

Csc 33xx Advanced Computer Science 1  
Csc 33xx Advanced Computer Science 2  
1<sup>st</sup> Elective course  
2<sup>nd</sup> Elective course  
4<sup>th</sup> Minor course

**Semester 9 (13 SCH)**

Csc 33xx Advanced Computer Science 3  
Egr 4402 Capstone Design  
3<sup>rd</sup> Elective course  
5<sup>th</sup> Minor course

**Summer Session (3 SCH)**

Egr 4300 Internship

**TOTAL SCH: 138 - 139**

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

## POSSIBLE COURSE SEQUENCE

### Bachelor of Science in Engineering & Management Science

**(9 Semesters)**

**BSEMS**

#### Semester 1 (14 SCH)

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)

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)

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)

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)

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)

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)

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)

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 <sup>st</sup> Elective course	

#### Semester 9 (16 or 17 SCH)

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

#### Summer Session (3 SCH)

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.

**POSSIBLE COURSE SEQUENCE**
  
**Bachelor of Science in General Engineering**
  
**(9 Semesters)**

**Semester 1 (14 SCH)**

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

**Semester 2 (14 SCH)**

Csc 2302	Data Structures
Mth 1304	Discrete Mathematics for Engineering
Phy 1401	Physics I
Ssk 1202	Critical Reading and Problem Solving
Ssk 1205	Interpersonal Skills & Social Interaction

**Semester 3 (15 SCH)**

Csc 2303	Advanced Prog./Object-Oriented Programming
Eng 1301	English Composition I
Mth 2301	Multivariable Calculus
Phy 1402	Physics II
Ssk 1204	Applied Independent Learning Methods

**Semester 4 (14 SCH)**

Csc 3352	Computer Communication
Egr 3331	Digital Design
Eng 1302	English Composition II
Mth 2303	Linear Algebra & Matrix Theory
Ped 1201	Physical Education: Fitness For Living

**Semester 5 (16 SCH)**

Che 1401	General Chemistry I
Com 1301	Communication through Speaking
Csc 2304	Computer Architecture
Frn 12xx	French
Egr 2402	Electric Circuits

**Semester 6 (16 SCH)**

Che 1402	General Chemistry II
Csc 3351	Operating Systems
Egr 2302	Engineering Economics
Mth 2304	Differential Equations
Psy 1301	Introduction to psychology or Soc 1301 or Ssc 1310

**Semester 7 (16 SCH)**

Bio 1401	Principles of Biology I or Bio 1402
Csc 3324	Software Engineering I
Egr 3304	Materials Science
Egr 3306	Engineering Instrumentation
Mth 3301	Probability and Statistics for Engineers

**Semester 8 (15 or 16 SCH)**

Arb 13xx or Frn 12xx	Arabic or French
Csc 3326	Database Systems
Csc 33xx	Advanced Computer Science
Egr 3402	Statics & Dynamics
His 1301	History of the Arab World or His 2301 or Psc 2301

**Semester 9 (16 SCH)**

Csc 33xx	Advanced Computer Science
Egr 3308	Thermal Engineering
Egr 4402	Capstone Design
Lit 2301	Hum 3301/2/6, or Phi 2301
1 <sup>ST</sup>	Elective Course

**Summer Session (3 SCH)**

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

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