

BACHELOR OF SCIENCE IN
COMPUTER ENGINEERING
ABET ACCREDITED PROGRAM

| First Year Courses | | | | | |
|---|-----|-------|--|-----|-------|
| Fall | Hrs | Gr | Spring | Hrs | Gr |
| EG 1302 Programming for Engineers | 3 | | EG 1305 OOP and Design | 3 | |
| EN 1311 Rhetoric & Comp. | 3 | | EG 1301 Engr. Graphics | 4 | |
| MT 2412 Univariate Calc. I | 4 | | MT 2413 Univariate Calc. II | 3 | |
| PY 1404 Mechanics & Heat | 4 | | PY 2404 Elect. & Magnet. | 4 | |
| SM 1301(H) Found. of Civilization | 3 | 17 hr | SM 1311 Found. of Reflection – Self | 3 | 17 hr |
| Second Year Courses | | | | | |
| CH 1401 General Chemistry | 4 | | EG 2152 Circuit Lab. (W) | 1 | |
| EG 2141 Logic Des Lab (W) | 1 | | EG 2342 Data Structure & Algorithms | 3 | |
| EG 2341 Logic Design | 3 | | EG 2353 Circuit Analysis II | 3 | |
| EG 2352 Circuit Analysis I | 3 | | EG 2382 Digital Sys. Design | 3 | |
| MT 3311 Differential Equations | 3 | | SM 1312 Found. of Reflection - Nature | 3 | |
| MT 3323 Discrete Math | 3 | 17 hr | SM 2301 Found. of Practice - Ethics | 3 | 16 hr |
| Third Year Courses | | | | | |
| EG 2307 Engineering Mech. | 3 | | CS 3340 Software Engineering | 3 | |
| EG 3156 Electronics I Lab. | 1 | | EG 3157 Electronics II Lab. | 1 | |
| EG 3356 Electronics I | 3 | | EG 3357 Electronics II | 3 | |
| EG 3363 Microprocessors I | 3 | | EG 3364 Microprocessors II | 3 | |
| EG3374 Comp. Org. & Arch. | 3 | | SM 2302 Found. of Practice – Civic Eng.. | 3 | |
| SM 1313 Found. of Reflection – Others | 3 | 16 hr | SM 1314 Found. of Reflection - God | 3 | 16 hr |
| Fourth Year Courses | | | | | |
| EG 4362 Sr. Design Project I | 3 | | CS 3350 Operating Systems | 3 | |
| MT 4331 Probability & Stats. | 3 | | EG 3334 Engr. Economy | 3 | |
| SM 2303 Found. of Practice – Fine Arts | 3 | | SM 4301 Sr. Des. Proj. II/Core Capstone | 3 | |
| SM 2304 Found. of Practice - Literature | 3 | | EG 4356 Comp. Networking | 3 | |
| Technical Elective | 3 | 15 hr | TH 33xx Theology | 3 | 15 hr |

Last Revision: 11/2009

Total of 129 Credit Hrs.

Electives:

- CS 3311 Compilers
- CS 3335 Survey of Prog. Langs.
- CS 4325 Computer Graphics
- CS 4315 Artificial Intelligence
- CS 4320 Files & Databases
- MT 3315 Advanced Math for EE

Electives:

- MT 3324 Linear Algebra
- EG 3392 Java and Applications
- EG 3372 Signals & Systems
- EG 4370 Communication
- EG 4369 Control Systems
- EG 4337 Computer Simulation