B.S. Electronic Systems Engineering Technology
Catalog 137 2014-2015

**FRESHMAN**

**SOPHOMORE**

**JUNIOR**

**SENIOR**

**Upper Division Courses**

- **ENTC219** 3-3-4 Digital Electronics
- **MATH 151** 3-2-4 Engineering Math I
- **CHEM 107&117** 3-3-4 Chem for Engr & Lab
- **ENTC151** 2-3-3 Engr Leadership
- **MATH 218** 2-3-3 Mechanics
- **PHYS 208** 3-3-4 Electricity and Optics
- **ENTC210** 3-3-3 Circuit Analysis
- **MATH ELECT 3** 3-3-3 MATH
- **PHYS 218** 3-3-4 Mechanics
- **ENTC211** 3-3-3 Power Sys & Circ App
- **ENTC349** 3-3-3 Microcontroller Arch
- **ENTC315** 3-3-3 Local Metro Area Net
- **ENTC269** 2-3-3 Embed Sys Dev in C
- **ENTC355** 3-3-3 EMAG & High Freq Sys
- **ENTC455** 3-3-3 Wireless Trans Syst
- **ENTC350** 3-3-3 Analog Electronics
- **ENTC459** 3-3-3 Elec Instrumentation
- **ENTC352** 3-3-3 Electromagnetics
- **ENTC352** 3-3-3 Electronics Test I
- **ENTC329** 2-3-3 Six Sigma & App Stat
- **ENTC333** 2-3-3 Product Development
- **ENTC366/415** 2-3-3 Comm. Electronics
- **ENTC419** 3-3-3 Engr Tech Capstone I
- **ENTC420** 0-4-2 Engr Tech Capstone II

**Core Curriculum Courses**

- **ENGL 104** 3-0-3 Comp & Rhetoric
- **UCC/POLS 206** 3-0-3 Core
- **American Hist/UCC** 3 credits
- **MATH 152** 3-2-4 Engineering Math II
- **PHYS 218** 3-3-4 Mechanics
- **ENTC151** 2-3-3 Engr Leadership
- **CHEM 107&117** 3-3-4 Chem for Engr & Lab
- **MATH ELECT 3** 3-3-3 MATH
- **ENTC219** 3-3-4 Digital Electronics
- **ENTC210** 3-3-3 Circuit Analysis
- **ENTC211** 3-3-3 Power Sys & Circ App
- **ENTC349** 3-3-3 Microcontroller Arch
- **ENTC315** 3-3-3 Local Metro Area Net
- **ENTC269** 2-3-3 Embed Sys Dev in C

**Math and Science Courses**

- **MATH 151** 3-2-4 Engineering Math I
- **MATH 218** 3-3-4 Mechanics
- **PHYS 208** 3-3-4 Electricity and Optics
- **ENTC219** 3-3-4 Digital Electronics
- **CHEM 107&117** 3-3-4 Chem for Engr & Lab

**Notes**

1. Take COMM 203 or ENGL 210
2. If electives are selected from ICD list they will double count
3. Pre-reqs for electives must be followed
4. MATH Electives can be chosen from MATH 251/253/304/308/309/311
5. ENTC 350 needs to be taken before or at the same time as ENTC 369
6. ENTC 219 needs to be taken before or at the same time as ENTC 269
7. ENTC 366 is not offered anymore and will be substituted by ENTC 415 (Advanced Network Security). ENTC 315 is a pre-requisite for ENTC 415.