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

**FRESHMAN**

**FALL**
- ENGL 104 3-0-3 Comp. & Rhetoric

**SPRING**
- UCC/POLS 206 3-0-3 Core

**SOPHOMORE**

**FALL**
- American Hist/UCC 3 credits

**SPRING**
- American Hist/UCC 3-0-3 Core

**JUNIOR**

**FALL**
- Communications 3-0-3 Core

**SPRING**
- ENGR 482/PHIL 482 2-2-3 Engr Ethics

**SENIOR**

**FALL**
- Creative Arts/ICD 2 3 credits

**SPRING**
- Social & Behavioral Science/ICD 2 3 credits

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**Core Curriculum Courses**

**American Hist/UCC. 3 credits**

**Math and Science Courses**

- **MATH 151** 3-2-4 Engineering Math I
- **MATH 152** 3-2-4 Engineering Math II
- **PHYS 218** 3-3-4 Mechanics
- **PHYS 208** 3-3-4 Electricity and Optics
- **CHEM 107 & 117** 3-3-4 Chem for Engr & Lab
- **ESET 151** 2-3-3 Engr Leadership
- **ESET 210** 3-3-4 Power Sys & Circ App
- **ESET 211** 3-3-4 Adv Network Security
- **ESET 219** 3-3-4 Digital Electronics
- **ESET 215** 3-3-4 Local Metro Area Net
- **ESET 269** 2-3-3 Embed Sys Dev in C
- **ESET 315** 3-3-4 Microcontroller Arch
- **ESET 349** 3-3-4 Embed Syst Arch
- **ESET 350** 3-3-4 Analog Electronics
- **ESET 359** 3-3-4 Elec Instrumentation
- **ESET 355** 3-3-4 Elec & High Freq Sys
- **ESET 455** 3-3-4 Wireless Trans Syst
- **ESET 415** 2-3-3 Adv Network Security
- **ESET 420** 0-6-2 Engr Tech Capstone II
- **ESET 419** 3-0-3 Engr Tech Capstone II
- **ESET 462** 3-3-4 Control Systems
- **ESET 452** 2-3-3 Electronics Test II
- **ESET 352** 3-3-4 Electronics Test I

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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 Elective can be chosen from: MATH 251/253/304/309/311
5. ESET 350 needs to be taken before or at the same time as ESET 369
6. ESET 219 needs to be taken before or at the same time as 269

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To view Core Curriculum courses, visit core.tamu.edu

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**Upper Division Courses**

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- **Core Curriculum Courses**
- **Math and Science Courses**
- **Major Courses**
- **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 Elective can be chosen from: MATH 251/253/304/309/311
  5. ESET 350 needs to be taken before or at the same time as ESET 369
  6. ESET 219 needs to be taken before or at the same time as 269