Program Map: Electronics Engineering Technology
Engineering Technology Department, College of Science and Technology

### Fall Courses

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Name</th>
<th>Hours</th>
<th>Pre-requisite</th>
<th>Course Name</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1101*</td>
<td>Composition I</td>
<td>3</td>
<td>Pre-requisite: None</td>
<td>ENGL 1102*</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1113*</td>
<td>Pre-Calculus</td>
<td>3</td>
<td>Pre-requisite: MATH 1111</td>
<td>MATH 2101*</td>
<td>Area F</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1211*</td>
<td>Area F</td>
<td>3</td>
<td>Pre-requisite: CHEM 1115 or 30 in Chemistry Assessment Test</td>
<td>PHYS 1111K*</td>
<td>Area D Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1211L*</td>
<td>Area F</td>
<td>1</td>
<td>Pre-requisite: None</td>
<td>ELET 3101K*</td>
<td>Major ELET Core</td>
<td>4</td>
</tr>
<tr>
<td>CSC 1130</td>
<td>Computer &amp; Its Applications*</td>
<td>3</td>
<td>Pre-requisite: None</td>
<td>ELET 3111K*</td>
<td>Major ELET Core</td>
<td>4</td>
</tr>
<tr>
<td>COST 1103</td>
<td>COST First Year Experience</td>
<td>2</td>
<td>Area F</td>
<td>ENGT 3101*</td>
<td>Digital Systems II</td>
<td>4</td>
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<td>úc *</td>
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<tr>
<td>Fall Milestones Total</td>
<td></td>
<td>15</td>
<td></td>
<td>Students must take MATH 1113 to prevent delay in graduation</td>
<td>15</td>
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### Spring Courses

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Name</th>
<th>Hours</th>
<th>Pre-requisite</th>
<th>Course Name</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2111*</td>
<td>Calculus II</td>
<td>4</td>
<td>Pre-requisite: MATH 2101</td>
<td>ELET 3311K*</td>
<td>Digital Systems II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1112K*</td>
<td>Introductory Physics</td>
<td>4</td>
<td>Area D Lab</td>
<td>Core Area C Option</td>
<td>Pre-requisite: PHYS 1111K</td>
<td>3</td>
</tr>
<tr>
<td>ELET 3301K*</td>
<td>Major ELET Core</td>
<td>4</td>
<td>Pre-requisite: ELET 3101K</td>
<td>HUMN 1201</td>
<td>Critical Thinking &amp; Communication</td>
<td>3</td>
</tr>
<tr>
<td>ELET 3111K*</td>
<td>Major ELET Core</td>
<td>4</td>
<td>Pre-requisite: ELET 3101K</td>
<td>CSC 1301* or 1371*</td>
<td>Major</td>
<td>3</td>
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<td>úc</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Fall Milestones Total</td>
<td></td>
<td>16</td>
<td></td>
<td>Students must take MATH 2111, ELET 3111K, and ELET 3301K to prevent delay in graduation</td>
<td>16</td>
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</tbody>
</table>

### Notes

- *A grade of C or better must be earned for this course
- Accumulate minimum of 30 semester hours in your Freshmen Year.
- Students must take ELET 3101K to prevent delay in graduation.
- Accumulate minimum of 60 semester hours in your Sophomore Year.
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Engineering Technology Department, College of Science and Technology

Core Curriculum (Programmed Preferred Options in Bold)

Area B – Institutional Options 5 hrs
i. AFRS 1501 Survey of African-American Experience 2 hrs
ii. HUMN 1201 Critical Thinking & Communication 3 hrs

Area C – Humanities/Fine Arts, and Ethics 6 hrs,
1. Select one of the following:
   i. ENGL 2111 World Literature I 3 hrs
   ii. ENGL 2112 World Literature II 3 hrs
   iii. ENGL 2121 British Literature I 3 hrs
   iv. ENGL 2122 British Literature II 3 hrs
   v. ENGL 2131 American Literature I 3 hrs
   vi. ENGL 2132 American Literature II 3 hrs
   vii. ENGL 2222 African American Literature 3 hrs
   viii. PHIL 2010 Introduction to Philosophy 3 hrs
   ix. PHIL 2030 Introduction to Ethics 3 hrs

2. Select one of the following:
   i. ARTS 1101 Introduction to Visual Art 3 hrs
   ii. DNCE 2010 Dance Appreciation 3 hrs
   iii. ENGL 2521 Introduction to Film 3 hrs
   iv. MUSC 1101 Introduction to Music 3 hrs
   vi. THEA 2101 Introduction to Theatre 3 hrs

Area D – Natural Sciences, Math & Technology 10 hrs
1. Select one of the following:
   i. BIOL 1107 Principles of Biology I 3 hrs
   ii. BIOL 1108 Principles of Biology II 3 hrs
   iii. CHEM 1211 Principles of Chemistry I 3 hrs
   iv. CHEM 1212 Principles of Chemistry II 3 hrs
   v. CISM 1130 Computer Applications 3 hrs
   vi. CSCI 1130 Computer Applications 3 hrs
   vii. CSCI 1301 Computer Science I 3 hrs
   viii. ENVS 1140 Environmental Issues 3 hrs

2. Select two of the following lab sciences in sequence:
   i. BIOL 1107/1107L Principles of Biology I 4 hrs
   ii. BIOL 1108/1108L Principles of Biology II 4 hrs
   iii. CHEM 1211/1211L Principles of Chemistry 4 hrs
   iv. CHEM 1212/1212L Principles of Chemistry 4 hrs
   v. PHYS 1111K Introductory Physics I 4 hrs
   vi. PHYS 1112K Introductory Physics II 4 hrs
   vii. PHYS 2211K Principles of Physics I 4 hrs
   viii. PHYS 2212K Principles of Physics II 4 hrs

Area E – Social Science 12 hrs
1. Select one of the following:
   i. HIST 2111 U.S. History to the Post-Civil War Period 3 hrs
   ii. HIST 2112 U.S. History from the Post-Civil War to Pre 3 hrs

2. Select two of the following:
   i. AFRS 2000 Introduction to Africana Studies 3 hrs
   ii. ANTH 1101 Introduction to Anthropology 3 hrs
   iii. ECON 2105 Principles of Macro-Economics 3 hrs
   iv. GEOG 1101 Introduction to Human Geography 3 hrs
   v. HIST 1111 World Hist to Early Modern Times 3 hrs
   vi. HIST 1112 World History Early Modern Times to Pres 3 hrs
   vii. POLS 2401 Global Issues 3 hrs
   viii. PSYC 1101 Intro to General Psychology 3 hrs
   ix. PSYC 2103 Human Growth & Development 3 hrs
   x. SOCI 1101 Introduction to Sociology 3 hrs
   xi. SOCI 1160 Social Problems 3 hrs

Electronics Engineering Technology Major Technical Options

<table>
<thead>
<tr>
<th>CSCI Option: Select One (3hrs)</th>
</tr>
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<tbody>
<tr>
<td>CSCI 3000</td>
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<tr>
<td>CSCI 3385K</td>
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<thead>
<tr>
<th>ELET Option: Select Three(12hrs)</th>
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</thead>
<tbody>
<tr>
<td>ELET 3401K</td>
</tr>
<tr>
<td>ELET 3501K</td>
</tr>
<tr>
<td>ELET 3701K</td>
</tr>
<tr>
<td>ELET 4401K</td>
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<tr>
<td>ELET 4611K</td>
</tr>
<tr>
<td>ELET 4621K</td>
</tr>
</tbody>
</table>

Distinctive Courses/Descriptions

Electronics Engineering Technology

The Electronics Engineering Technology (EET) curriculum provides instruction in the fundamentals of modern electronics theory, with emphasis on the application of theoretical principles to actual electronic devices, circuits and systems. Graduates of the Electronics Engineering Technology program are prepared to function in these positions:

Research and Development Technologist - engages in the development, building and testing of new equipment in the areas of digital electronics, communication electronics, embedded systems and microelectronics.

Process Control Technologist - supervises the operation of automatic control equipment for industrial processes.

Field Engineering Specialist - installs, tests and maintains equipment such as data processing machines and other electronic systems.

High Frequency Technologist - maintains and/or operates radar, sonar and other warning detection and navigation devices.