

Catalog Year 2016-2017

A Major Academic Plan (MAP) illustrates one efficient path toward completing a degree and includes only required courses and credits. A list of Major, General Education, and Elective credits, as well as a summary of required credit categories, are shown on page two. **Individual MAP customization by each student is expected.**

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| --- | --- | --- | --- | --- | --- |
| Instrumentation and Automation - BTC | Credit Hours | Min. Grade | \*Attribute | \*\*When Offered | Pre & Co-requisites |
| Semester One | | | | | |
| ESET 0103: Introduction to Electronics Theory | 1 | C- |  | D |  |
| ESET 0103L: Introduction to Electronics Laboratory | 1 | C- |  | D |  |
| ESET 0104: DC Electronics Principles Theory | 2 | C- |  | D |  |
| ESET 0104L: DC Electronics Principles Laboratory | 2 | C- |  | D |  |
| ESET 0105: AC Electronics Principles Theory | 4 | C- |  | D |  |
| ESET 0105L: AC Electronics Principles Theory | 2 | C- |  | D |  |
| Total | 15 |  |  |  |  |
| Semester Two | | | | | |
| INST 0140: Introduction to Motors and Control Theory | 2 | C- |  | S |  |
| INST 0220: Introduction to Programmable Logic Controllers | 3 | C- |  | F, S |  |
| INST 0240: Theory | 2 | C- |  | F, S, SU |  |
| INST 0242: Theory | 2 | C- |  | F, S, SU |  |
| INST 0251: Laboratory | 1 | C- |  | F, S, SU |  |
| INST 0253: Laboratory | 1 | C- |  | F, S, SU |  |
| INST 0254: Laboratory | 1 | C- |  | F, S, SU |  |
| Total | 17 |  |  |  |  |
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| \*Key for Attribute: U=Upper division GE=General Education Objective  \*\*Key for When Offered: F=Fall S=Spring Su=Summer D=contact department (more…) | | | | | |

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| **2016-2017 Major Requirements** | **CR** | **2016-2017 GENERAL EDUCATION OBJECTIVES**  **Satisfy Objectives 1,2,3, 5, 6** | | **16 cr. min** | |
| **MAJOR REQUIREMENTS** |  | 2. Oral Communication (3 cr. min) COMM 1101 | | 3 | |
| ESET 0141: Applied Mathematics I | 4 |  | |  | |
| ESET 0100: Engineering Technology Orientation | 1 |  | |  | |
| ESET 0101: Electrical Circuits I | 5 |  | |  | |
| ESET 0101L: Electrical Circuits I Laboratory | 5 |  | |  | |
| ESET 0142: Applied Mathematics II | 4 |  | |  | |
| ESET 0102: Electrical Circuits II | 5 | **TOTAL** | | **3** | |
| ESET 0102L: Electrical Circuits II Laboratory | 5 |  | | | |
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|  |  | GE Objectives Courses:  (University Catalog 2016-2017) | | | |
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|  |  | **MAP Credit Summary** | | | **CR** |
|  |  | Major | | | 29 |
|  |  | General Education | | | 3 |
|  |  | Free Electives to reach 60 credits | | | 0 |
|  |  | TOTAL | | | 32 |
|  |  |  | | |  |
| **TOTAL** | **29** |  | | |  |
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| **Advising Notes** | |  | | |  |
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|  | | **Graduation Requirement Minimum Credit Checklist** | **YES** | | NO |
|  | | Min. of 3 credits of General Education Objectives |  | |  |
|  | | Min. of 32 credits |  | |  |
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