

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.**

Catalog Year 2016-2017

|  |  |  |  |  |  |
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| RCET - AAS | Credit Hours | Min. Grade | \*Attribute | \*\*When Offered | Pre & Co-requisites |
| Semester One |
| GE Objective 2: COMM 1101 Principles of Speech  | 3  | D- | GE |  |  |
| RCET 0141: Applied Mathematics I | 4 | C- |  | F, S |  |
| RCET 0153: Electronic Theory | 5 | C- |   | F, S | RCET 0141, 0155 |
| RCET 0155: Electronic Laboratory | 5 | C- |  | F, S | RCET 0141, 0153 |
|  Total | 17 |  |  |  |  |
| Semester Two |  |  |  |  |  |
| GE Objective 5: PHYS 1101 & 1101L, Elements of Physics | 4 | D- | GE |  |  |
| RCET 0142: Applied Mathematics II | 4 | C- |  | F, S | RCET 0141 |
| RCET 0154: Electronic Control Devices Theory | 5 | C- |  | F, S | RCET 0141, 0153, 0155, 0156, 0142 |
| RCET 0156: Electronic Control Devices Laboratory | 5 | C- |  | F, S | RCET 0141, 0153, 1055, 0154 |
|  Total | 18 |  |  |  |  |
| Semester Three |
| RCET 0251: Systems Analog and Digital Theory | 7 | C- |  | F, S | RCET 0253 |
| RCET 0253: Systems Analog and Digital Laboratory | 5 | C- |  | F, S | RCET 0156, 0251 |
| RCET 0264: Introductory Calculus | 4 | C- |  | F, S | RCET 0142 |
| RCET 0271: Introduction to Lab Simulation | 2 | C- |  | F, S |  |
|  Total  | 18 |  |  |  |  |
| Semester Four  |  |  |  |  |  |
| RCET 0267: Radio Frequency Transmission Theory | 7 | C- |  | F, S | RCET 0251, 0253, 0264, 0268 |
| RCET 0268: Radio Frequency Transmission Laboratory | 5 | C- |  | F, S | RCET 0251, 0253, 0264, 0267 |
| RCET 0270: Electronic Drafting | 2 | C- |  | F, S |  |
| RCET 0265: Computer Fundamentals and Intro to Programming | 4 | C- |  | F, S |  |
|  Total | 18 |  |  |  |  |
| Semester Five |  |  |  |  |  |
| GE Objective 1: ENGL 1101 English Composition, or ENGL 1101P | 3 | D- | GE |  |  |
| RCET 0371: Advanced Math for Electronics | 4 | C- |  | F, S |  |
| RCET 0373: Advanced Digital Theory | 5 | C- |  | F, S |  |
| RCET 0375: Advanced Digital Laboratory | 5 | C- |  | F, S |  |
|  Total  | 17 |  |  |  |  |
| Semester Six |  |  |  |  |  |
| GE Objective 6: Social and Behavioral Ways of Knowing  | 3 | D- | GE |  |  |
| TGE 0158: Employment Strategies | 2 | D- |  |  |  |
| RCET 1372: Calculus for Advanced Electronics | 4 | C- |  | F, S |  |
| RCET 0374: Advanced Pulse Theory | 5 | C- |  | F, S | RCET 0376 |
| RCET 0376: Advanced Pulse Laboratory | 5 | C- |  | F, S | RCET 0374 |
| Total | 19 |  |  |  |  |
| ENGL 1101 English Composition or ENGL 1101P |  |  |  |  |  |
| \*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** |  | 1. Written English (3 cr. min) ENGL 1101 | 3 |
| RCET 0141: Applied Mathematics I | 4 | 2. Oral Communication (3 cr. min) COMM 1101 | 3 |
| RCET 0153: Electronic Theory | 5 | 3. Mathematics (3 cr. min) RCET 1372 | 4 |
| RCET 0155: Electronic Laboratory | 5 | 6. Behavioral and Social Science  | 3 |
| RCET 0142: Applied Mathematics II | 4 | 5. Scientific Ways of Knowing PHYS 1101/LAB | 4 |
| RCET 0154: Electronic Control Devices Theory | 5 |  |  |
| RCET 0156: Electronic Control Devices Laboratory | 5 | **TOTAL** | **17** |
| RCET 0251: Systems Analog and Digital Theory | 7 |  |
| RCET 0253: Systems Analog and Digital Laboratory | 5 |  |  |
| RCET 0264: Introductory Calculus | 4 |  |  |
| RCET 0271: Introduction to Lab Simulation | 2 |  |  |
| RCET 0267: Radio Frequency Transmission Theory | 7 |  |
| RCET 0268: Radio Frequency Transmission Laboratory | 5 |  |  |
| RCET 0270: Electronic Drafting | 2 |  |  |
| RCET 0265: Computer Fundamentals and Intro to Programming | 4 |  |
| RCET 0371: Advanced Math for Electronics | 4 |  |  |
| RCET 0373: Advanced Digital Theory | 5 |  |
| RCET 0375: Advanced Digital Laboratory | 5 |  |
| RCET 1372: Calculus for Advanced Electronics (credits applied to GE) |  |  |  |
| RCET 0374: Advanced Pulse Theory | 5 |  |
| RCET 0376: Advanced Pulse Laboratory | 5 |  |  |
| TGE 0158: Employment Strategies | 2 | GE Objectives Courses:(University Catalog 2016-2017) |
|  | 90 |
|  |  |  |  |
|  |  |  |  |
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|  |  |  |  |
|  |  | **MAP Credit Summary** | **CR** |
|  |  | Major  | 90 |
|  |  | General Education  | 17 |
|  |  | Free Electives to reach 60 credits | 0 |
|  |  |  TOTAL | 107 |
|  |  |  |  |
| **TOTAL** | **90** |  |  |
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|  |  |  |
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| **Advising Notes** |  |  |
|  |  |  |
|  | **Graduation Requirement Minimum Credit Checklist** | **YES** | NO |
|  | Min. of 15 credits of General Education Objectives |  |  |
|  | Min. of 60 credits |  |  |
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