



A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is only one strategy. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Electives, and university requirements (see pg.2) are based on Catalog Year.

| Course Subject and Title                                                                                                                                                                                                    | Cr.       | Min.<br>Grade | *GE,<br>UU or UM | **Sem.<br>Offered            | Prerequisite                                               | Co-Requirement    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------|------------------|------------------------------|------------------------------------------------------------|-------------------|
| <b>Semester One</b>                                                                                                                                                                                                         |           |               |                  |                              |                                                            |                   |
| GE Objective 1: ENGL 1101 Writing and Rhetoric I <b>OR</b><br>ENGL 1102 Writing and Rhetoric II <b>OR</b><br>GE Objective 2: COMM 1101 Fundamentals of Oral<br>Communication                                                | 3         | D-            | GE               | F, S, Su<br>F, S, Su<br>F, S | Appropriate placement score<br>Appropriate placement score |                   |
| RCET 1153A: Basic Electricity and DC Circuit Theory                                                                                                                                                                         | 4         | C-            |                  | F, S                         | Minimum score of ALEKS 30<br>or equivalent                 | RCET 1153B        |
| RCET 1153B: Basic Electricity and AC Circuit Theory                                                                                                                                                                         | 4         | C-            |                  | F, S                         | RCET 1153A                                                 | RCET 1153A, 1155B |
| RCET 1155A: Basic Electricity and DC Circuit Lab                                                                                                                                                                            | 2         | C-            |                  | F, S                         |                                                            | RCET 1155B        |
| RCET 1155B: Basic Electricity and AC Circuit Lab                                                                                                                                                                            | 2         | C-            |                  | F, S                         | RCET 1155A                                                 | RCET 1155A, 1153B |
| <b>Total</b>                                                                                                                                                                                                                | <b>15</b> |               |                  |                              |                                                            |                   |
| <b>Semester Two</b>                                                                                                                                                                                                         |           |               |                  |                              |                                                            |                   |
| GE Objective 5: PHYS 1101 Elements of Physics AND<br>PHYS 1101L Elements of Physics Laboratory <b>OR</b><br>PHYS 1100 Essentials of Physics <b>OR</b><br>PHYS 1111 General Physics I AND<br>PHYS 1113 General Physics I Lab | 4         | D-            | GE               | F, S<br>F, S<br>F            | Appropriate math score                                     |                   |
| RCET 1154A: Analog Control Devices Theory                                                                                                                                                                                   | 4         | C-            |                  | F, S, D                      | RCET 1153A, 1153B, 1155A,<br>1153B                         | RCET 1156A        |
| RCET 1154B: Digital Control Devices Theory                                                                                                                                                                                  | 4         | C-            |                  | F, S, D                      | RCET 1153B                                                 | RCET 1156B        |
| RCET 1156A: Analog Control Devices Laboratory                                                                                                                                                                               | 2         | C-            |                  | F, S, D                      | RCET 1153A, 1153B, 1155A,<br>1155B                         | RCET 1154A        |
| RCET 1156B: Digital Control Devices Laboratory                                                                                                                                                                              | 2         | C-            |                  | F, S, D                      | RCET 1155B                                                 | RCET 1154B        |
| <b>Total</b>                                                                                                                                                                                                                | <b>16</b> |               |                  |                              |                                                            |                   |
| <b>Semester Three</b>                                                                                                                                                                                                       |           |               |                  |                              |                                                            |                   |
| GE Objective 3: RCET 1372 Calculus for Electronics                                                                                                                                                                          | 4         | C-            | GE               | F, S                         | MATH 1144 or 1147 or 1154A                                 |                   |
| RCET 2251: Systems Analog and Digital Theory                                                                                                                                                                                | 6         | C-            |                  | F, S                         | PHYS 1101/L, 1100,<br>1111/1113                            | RCET 2253         |
| RCET 2253: Systems Analog and Digital Laboratory                                                                                                                                                                            | 5         | C-            |                  | F, S                         | RCET 1156B                                                 | RCET 2251         |
| RCET 2271: Introduction to Lab Simulation Software                                                                                                                                                                          | 2         | C-            |                  | F, S                         |                                                            |                   |
| <b>Total</b>                                                                                                                                                                                                                | <b>17</b> |               |                  |                              |                                                            |                   |
| <b>Semester Four</b>                                                                                                                                                                                                        |           |               |                  |                              |                                                            |                   |
| RCET 2265: Computer Fundamentals and Introduction to<br>Programming                                                                                                                                                         | 4         | C-            |                  | F, S                         |                                                            |                   |
| RCET 2267: Radio Frequency Transmission Theory                                                                                                                                                                              | 6         | C-            |                  | F, S                         | RCET 1372, 2251, 2253                                      | RCET 2268         |
| RCET 2268: Radio Frequency Transmission Lab                                                                                                                                                                                 | 5         | C-            |                  | F, S                         | RCET 1372, 2251, 2253                                      | RCET 2267         |
| <b>Total</b>                                                                                                                                                                                                                | <b>15</b> |               |                  |                              |                                                            |                   |
| <b>Semester Five</b>                                                                                                                                                                                                        |           |               |                  |                              |                                                            |                   |
| RCET 3371: Advanced Programming Techniques and GUI<br>Development                                                                                                                                                           | 4         | C-            |                  | D                            | RCET 2265, 2271                                            |                   |
| RCET 3373: Advanced Computer Architecture and<br>Embedded Systems Theory                                                                                                                                                    | 5         | C-            |                  | D                            | RCET 1154B, 2251                                           | RCET 3375         |
| RCET 3375: Advanced Computer Architecture and<br>Embedded Systems Laboratory                                                                                                                                                | 5         | C-            |                  | D                            | RCET 1156B, 2253                                           | RCET 3373         |
| <b>Total</b>                                                                                                                                                                                                                | <b>14</b> |               |                  |                              |                                                            |                   |
| <b>Semester Six</b>                                                                                                                                                                                                         |           |               |                  |                              |                                                            |                   |
| RCET 3374: Advanced Systems Analysis Theory                                                                                                                                                                                 | 4         | C-            |                  | D                            | RCET 2251, 2267                                            | RCET 3376         |
| RCET 3376: Advanced Systems Analysis Theory                                                                                                                                                                                 | 5         | C-            |                  | D                            | RCET 2253, 2268                                            | RCET 3374         |
| <b>Total</b>                                                                                                                                                                                                                | <b>9</b>  |               |                  |                              |                                                            |                   |
| *GE=General Education Objective, UU=Upper Division University, UM= Upper Division Major<br>**See Course Schedule section of Course Policies page in the e-catalog (or input F, S, Su, etc.)                                 |           |               |                  |                              |                                                            |                   |

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