# Electrical and Computer Engineering
# A.P.E. in 2 years

**SNOW COLLEGE**

**Name**

| Course | Credits | Semester Offered | Online | Milestones |
|---|---|---|---|---|
| **Freshman (Semester 1)** | | | | Meet with your |
| **ENGR 1400 Programming Fundamentals** | 3 | Fall, Spring | | academic advisor. |
| **ENGR 1405 Programming Funamentals Lab** | 1 | Fall, Spring | | Earn 2.0 GPA or |
| **ENGR 1000  Introduction to Engineering** | 2 | Fall, Spring | | higher (Bachelor's |
| **MATH 1210 Calculus I** | 5 | Fall, Spring | | degree may require |
| **ENGL 1010 Introduction to Writing** | 3 | Fall, Spring, Summer | X | higher GPA) |
| **GNST 1200 Foundations** | 3 | Fall, Spring, Summer | X | |
| **Total Credits** | 17 | | | |
| | | | | |
| **Freshman (Semester 2)** | | | | Meet with your |
| **ENGR 1410 Object Oriented Programming** | 3 | Spring | | academic advisor. |
| **ENGR 1410 Object Oriented Programming Lab** | 1 | Spring | | Earn 2.0 GPA or |
| **ENGR 2700 Digital Circuits** | 3 | Spring | | higher (Bachelor's |
| **ENGR 2705 Digital Circuits Lab** | 1 | Spring | | degree may require |
| **MATH 1220 Calculus II** | 4 | Fall, Spring | | higher GPA) |
| **ENGL 2010 Intermediate Writing** | 3 | Fall, Spring, Summer | X | |
| **Total Credits** | 15 | | | |
| | | | | |
| **Sophomore (Semester 1)** | | | | Meet with your |
| **ENGR 2250 Analog Circuits** | 3 | Fall | | academic advisor. |
| **ENGR 2255 Analog Circuits Lab** | 1 | Fall | | Earn 2.0 GPA or |
| **MATH 2210 Multivariable Calculus** | 3 | Fall, Spring | | higher (Bachelor's |
| **PHYS 2210 Physics for Scientists and Engineers I** | 4 | Fall | | degree may require |
| **PHYS 2215 Physics for Scientists and Engineers I Lab** | 1 | Fall | | higher GPA) |
| **General Education** | 4 | Fall, Spring, Summer | X | Apply for graduation |
| **Total Credits** | 16 | | | |
| | | | | |
| **Sophomore (Semester 2)** | | | | Meet with your |
| **ENGR 2010  Statics** | 3 | Fall, Spring | | academic advisor. |
| **MATH 2270 Linear Algebra** | 3 | Spring | | Earn 2.0 GPA or |
| **MATH 2280 Differential Equations** | 3 | Spring | | higher (Bachelor's |
| **PHYS 2220 Physics for Scientists and Engineers II** | 4 | Spring | | degree may require |
| **PHYS 2225 Physics for Scientists and Engineers II Lab** | 1 | Spring | | higher GPA) |
| **Technical Electives** | 3 | Spring | | Declare Bachelor's |
| **Total Credits** | 17 | | | degree major. |

Notes:

*For most recent information, students must contact their transfer institution directly.*

# Electrical and Computer Engineering   A.P.E.   3 yrs.

**SNOW COLLEGE**

**Name**

| Course | Credits | Semester Offered | Online | Milestones |
|---|---|---|---|---|
| Freshman  (Semester 1) | | | | Meet with your |
| **MATH 1050 College Algebra** | 4 | **Fall, Spring Summer** | X | academic advisor. |
| **MATH 1060 Trigonometry** | 3 | **Fall, Spring** | | Earn 2.0 GPA or |
| **ENGL 1010 Introduction to Writing** | 3 | **Fall, Spring, Summer** | X | higher (Bachelor's |
| **GNST 1200 Foundations** | 3 | **Fall, Spring, Summer** | X | degree may require |
| **Total Credits** | 13 | | | higher GPA) |
| Freshman  (Semester 2) | | | | Meet with your |
| **ENGR 1000 Introduction to Engineering** | 2 | **Fall, Spring** | | academic advisor. |
| **MATH 1210 Calculus I** | 5 | **Fall, Spring** | | Earn 2.0 GPA or |
| **ENGL 2010 Intermediate Writing** | 3 | **Fall, Spring, Summer** | X | higher (Bachelor's |
| **ENGR 2700 Digital Circuits** | 3 | **Spring** | X | degree may require |
| **ENGR 2705 Digital Circuits Lab** | 1 | **Spring** | | higher GPA) |
| **Total Credits** | 13 | | | |
| Sophomore  (Semester 1) | | | | |
| **ENGR 1400 Programming Fundamentals** | 3 | **Fall, Spring** | X | Meet with your |
| **ENGR 1405 Programming Fundamentals** | 1 | **Fall, Spring** | X | academic advisor. |
| **MATH 1220 Calculus II** | 4 | **Fall, Spring** | X | Earn 2.0 GPA or |
| **PHYS 2210 Physics for Scientists and Engineers I** | 4 | **Fall** | | higher (Bachelor's |
| **PHYS 2215 Physics for Scientists and Engineers I Lab** | 1 | **Fall** | | degree may require |
| **Total Credits** | 13 | | | higher GPA) |
| Sophomore (Semester 2) | | | | |
| **ENGR 1410 Object Oriented Programming** | 3 | **Spring** | | Meet with your |
| **ENGR 1415 Object Oriented Programming Lab** | 1 | **Spring** | | academic advisor. |
| **MATH 2210 Multivariable Calculus** | 3 | **Fall, Spring** | | Earn 2.0 GPA or |
| **PHYS 2220 Physics for Scientists and Engineers II** | 4 | **Spring** | | higher (Bachelor's |
| **PHYS 2225 Physics for Scientists and Engineers II Lab** | 1 | **Spring** | | degree may require |
| **Total credits** | 12 | | | higher GPA) |
| Third Year (Semester 1) | | | | |
| **ENGR 2250 Analog Circuits** | 3 | **Fall** | | Apply for |
| **ENGR 2255 Analog Circuits Lab** | 1 | **Fall** | | graduation. |
| **MATH 2270 Linear Algebra** | 3 | **Spring** | | |
| **Technical Electives** | 3 | **Fall, Spring** | | Declare Bachelor's |
| **General Education** | 3 | **Fall, Spring, Summer** | X | degree major. |
| **Total Credits** | 13 | | | |
| Third Year (Semester 2) | | | | Meet with your |
| **ENGR 2010 Statics** | 3 | **Fall, Spring** | | academic advisor. |
| **MATH 2280 Differential Equations** | 3 | **Fall, Spring** | | Earn 2.0 GPA or |
| **General Electives** | 3 | **Fall, Spring, Summer** | | higher (Bachelor's |
| **Electives** | 3 | **Fall, Spring, Summer** | X | degree may require |
| **Total Credits** | 12 | | | higher GPA) |

*For most recent information, students must contact their transfer institution directly.*