

## **SYSTEMS ENGINEERING PROGRAM ELECTIVES**

### **THEMES REQUIREMENTS (12 credits)**

UNC Charlotte's General Education program requires students to take themes courses with one course from each of the four themes:

#### **GLOBAL SOCIAL SCIENCE (3 credits)**

XXXX 1501

#### **LOCAL SOCIAL SCIENCE (3 credits)**

XXXX 1511

#### **GLOBAL ARTS/HUMANITIES (3 credits)**

XXXX 1502

#### **LOCAL ARTS/HUMANITIES (3 credits)**

XXXX 1512

### **FOUNDATIONS REQUIREMENTS**

#### **CRITICAL THINKING AND COMMUNICATIONS (3 credits)**

CTCM 2530 Critical Thinking and Communication

### **PHYSICAL SCIENCE ELECTIVES**

Students pursuing the BS in Systems Engineering are required to take one of the following science elective courses to fulfill the General Education requirements and the BSSE degree requirements.

#### Biology

BIOL 1110: Principles of Biology I

BIOL 2120: General Biology I

#### Chemistry

CHEM 1200: Fundamentals of Chemistry

#### Earth Science

ESCI 1101: Earth Sciences-Geography

GEOL 1200: Physical Geology

#### Physics

PHYS 1102: Introductory Physics II

PHYS 1130: Introduction to Astronomy

PHYS 1201: Sports and Physics

PHYS 1202: Introduction to Physics in Medicine

PHYS 1203: Physics of Music

### **TECHNICAL ELECTIVES**

List: [https://catalog.charlotte.edu/preview\\_program.php?catoid=32&pooid=8380](https://catalog.charlotte.edu/preview_program.php?catoid=32&pooid=8380)