### BS/MS—Computer Engineering

**POA Code:** ZH

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**Major Code:** CMPE (Computer Engineering)

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**Coreq:** PHYS 1151 & PHYS 1152

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**Coreq:** PHYS 1151 & PHYS 1152

**Coreq:** PHYS 1151 & PHYS 1153
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**BSCompE—Computer Engineering**

**POA Code:** LA

**Major Code:** CMPE (Computer Engineering)

**4 Year, 1 Co-op**

**Semester Total**

**Yr 1 FL**

- MATH 1341 Calculus 1 for Sci/Eng | 4.0 SH
- CHEM 1151 General Chem for Engineers | 4.0 SH
- CHEM 1153 Recitation for CHEM 1151 | 0.0 SH
- NU Core course or Elective | 4.0 SH
- GE 1110 Engineering Design | 4.0 SH
- GE 1000 Intro to the Study of Engr | 1.0 SH

**Semester Total** | 18.0 SH

**Yr 1 S2**

- MATH 1342 Calculus 2 for Sci/Eng | 4.0 SH
- PHYS 1151 Physics for Engineering 1 | Coreq. PHYS 1152 & PHYS 1153 | 4.0 SH
- PHYS 1152 Lab for PHYS 1151 | Coreq. PHYS 1151 & PHYS 1153 | 1.0 SH
- PHYS 1153 Interact Learm for PHYS 1151 | Coreq. PHYS 1151 & PHYS 1152 | 0.0 SH
- GE 1111 Engr Prob Solv and Comp | 4.0 SH
- ENGL 1111 College Writing | 4.0 SH

**Semester Total** | 17.0 SH

**Yr 1 S1**

- VACATION | 0.0 SH
- Semi- | 0.0 SH

**Yr 1 S2**

- VACATION | 0.0 SH
- Semi- | 0.0 SH

**Yr 2 FL**

- MATH 2341 Diff Eq and Lin Alg for Engr | 4.0 SH
- PHYS 1155 Physics for Engineering | 4.0 SH
- PHYS 1156 Lab for PHYS 1151 | Coreq. PHYS 1155 & PHYS 1157 | 1.0 SH
- PHYS 1157 Interact Learm PHYS 1155 | Coreq. PHYS 1155 & PHYS 1156 | 0.0 SH
- CS 1500 Algorithms, Data Structur Engr | Coreq. CS 1500 | 4.0 SH
- NU Core course or Elective | Coreq. CS 1500 | 4.0 SH
- NU Core course or Elective | 4.0 SH

**Semester Total** | 17.0 SH

**Yr 2 S1**

- NU Core course or Elective | 4.0 SH
- MATH 3081 Probability and Statistics | 4.0 SH

**Semester Total** | 8.0 SH

**Yr 2 S2**

- VACATION | 0.0 SH
- Semi- | 0.0 SH

**Yr 3 FL**

- EECE 3324 Computer Architecture & Org | 4.0 SH
- EECE 3326 Optimization Methods | 4.0 SH
- EECE 2412 Electronics 1 | 4.0 SH
- EECE 2413 Lab for EECE 2412 | 1.0 SH
- NU Core course or Elective | 4.0 SH
- EECE 2000 Intro to Eng Co-op Education | 1.0 SH

**Semester Total** | 17.0 SH

**Yr 3 S1**

- EECE 4790 ECE Capstone 1 | 4.0 SH
- EECE Technical Elective | 4.0 SH

**Semester Total** | 8.0 SH

**Yr 3 S2**

- CO-OP | 0.0 SH
- Semi- | 0.0 SH

**Yr 4 FL**

- CO-OP | 0.0 SH
- Semi- | 0.0 SH

**Yr 4 SP**

- EECE 4792 ECE Capstone 2 | 4.0 SH
- EECE 4629 Internetworking Design Lab | 4.0 SH
- NU Core course or Elective | 4.0 SH
- EECE 4628 Computer & Telecomm Networks | 4.0 SH
- EECE 3000 Prof Issues in Engineering | 1.0 SH

**Semester Total** | 18.0 SH

**Coreq:**

- PHYS 1151 & PHYS 1152
- PHYS 1152 & PHYS 1153
- CHEM 1151
- CHEM 1153
- CO-OP
- CS 1500
- PHYS 1155 & PHYS 1156
- PHYS 1155 & PHYS 1157
- PHYS 1156 & PHYS 1157
- CS 1500
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### Core Requirements

- **Elective** 4.0 SH
- **Elective** 4.0 SH
- **ENGL 3302 Advanced Writing in Tech Prof** 4.0 SH

**Overloading, or courses taken during co-op:**

Please note: The following credits are required via AP credit, course overloading, or courses taken during co-op:

- **Elective** 4.0 SH
- **Elective** 4.0 SH
- **Elective** 4.0 SH

### Semester Total

Semester Total: 17.0 SH

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**BSCompE—Computer Engineering**

**POA Code: MC**

**Major Code: CMPE (Computer Engineering)**

Please note: The following credits are required via AP credit, course overloading, or courses taken during co-op:

- **Elective** 4.0 SH
- **Elective** 4.0 SH
- **ENGL 3302 Advanced Writing in Tech Prof** 4.0 SH

**Overloading, or courses taken during co-op:**

Please note: The following credits are required via AP credit, course overloading, or courses taken during co-op:

- **Elective** 4.0 SH
- **Elective** 4.0 SH
- **Elective** 4.0 SH

### Semester Total

Semester Total: 17.0 SH

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**BSCompE—Computer Engineering**

**POA Code: MD**

**Major Code: CMPE (Computer Engineering)**

Please note: The following credits are required via AP credit, course overloading, or courses taken during co-op:

- **Elective** 4.0 SH
- **Elective** 4.0 SH
- **ENGL 3302 Advanced Writing in Tech Prof** 4.0 SH

**Overloading, or courses taken during co-op:**

Please note: The following credits are required via AP credit, course overloading, or courses taken during co-op:

- **Elective** 4.0 SH
- **Elective** 4.0 SH
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### Semester Total

Semester Total: 17.0 SH

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