### Department of Civil, Construction, and Environmental Engineering

**Construction (BSConE)**

#### FRESHMAN YEAR

**Fall**
15 Hours

- CE 121*
  - Intro to CCEE (1)
- MATH 125
  - Calculus I
  - MA (4)
- PH 105
- MATH 125
- ENGR 103
- ENGR 101
- EN 101
- CH 101
- CH 102

**Spring**
15 Hours

- ENGR 171
  - Engineering Graphics (1)
- CE 260
- MATH 227
- PH 105
- EN 102
- EN 101
- HI/SB¹ Elective
  - HI/SB (3)

**Downward Dependencies**
- CE 121*
- MATH 125
- ENGR 103
- ENGR 101
- CH 101

**Credits**
- 9

**Prerequisite (must be taken before)**
- MATH 125

**Prerequisite (may be taken concurrently)**
- PH 105
- CH 101

**Approved Natural Science (N) Electives**

| Required: | CH 101, PH 105, and PH 106 |
| Approved Electives: | BSC 114/115 Principles of Biology, CH 102 Gen Chemistry II, GEO 101 Dynamic Earth, GEO 102 Earth Through Time, GEO 104 Hazardous Earth, GEO 105 Sustainable Earth, GY 101 Atmospheric Processes, GY 102 Earth Surface Processes |

**Credits**
- 4

**Advising Notes**
- HI/SB = History & Social and Behavioral Science
- HU/L/FA = Humanities/Literature/Fine Arts
- FC = Freshman Composition
- MA = Mathematics
- C = Computer Science
- W = Writing

*ENGR 111 or 121 from any UA Engineering Department will meet requirements of CE 121

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#### SOPHOMORE YEAR

**Fall**
16 Hours

- ENGR 171
  - Surveying (2)
- CE 260
- MATH 227
- PH 105
- EN 101
- MATH 126
- CH 102
- HI/SB¹ Elective
  - HI/SB (3)

**Downward Dependencies**
- CE 260
- MATH 227

**Credits**
- 9

**Prerequisite (must be taken before)**
- MATH 126

**Prerequisite (may be taken concurrently)**
- PH 105
- CH 102

**Approved Natural Science (N) Electives**

| Required: | CH 101, PH 105, and PH 106 |
| Approved Electives: | BSC 114/115 Principles of Biology, CH 102 Gen Chemistry II, GEO 101 Dynamic Earth, GEO 102 Earth Through Time, GEO 104 Hazardous Earth, GEO 105 Sustainable Earth, GY 101 Atmospheric Processes, GY 102 Earth Surface Processes |

**Credits**
- 4

**Advising Notes**
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#### Spring
16 Hours

- CE 350
- AEM 201
- AEM 250
- MATH 126
- MATH 227
- PH 106
- HI/SB¹ Elective
  - HI/SB (3)

**Downward Dependencies**
- CE 350
- MATH 227

**Credits**
- 9

**Prerequisite (must be taken before)**
- MATH 126

**Prerequisite (may be taken concurrently)**
- PH 105
- CH 102

**Approved Natural Science (N) Electives**

| Required: | CH 101, PH 105, and PH 106 |
| Approved Electives: | BSC 114/115 Principles of Biology, CH 102 Gen Chemistry II, GEO 101 Dynamic Earth, GEO 102 Earth Through Time, GEO 104 Hazardous Earth, GEO 105 Sustainable Earth, GY 101 Atmospheric Processes, GY 102 Earth Surface Processes |

**Credits**
- 4

**Advising Notes**
- HI/SB = History & Social and Behavioral Science
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- FC = Freshman Composition
- MA = Mathematics
- C = Computer Science
- W = Writing

*ENGR 111 or 121 from any UA Engineering Department will meet requirements of CE 121

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### Revision 2.3 January 2021

**Course Numbers**
- ENGR 171
- MATH 115
- CE 260
- AEM 201
- ECE 320
- MATH 227
- GES 255
- ENGR 171
- CE 350
- MATH 126
- MATH 238
- AEM 201
- CE 320
- ENGR 171

**Credits**
- 3

**Approved Natural Science (N) Electives**

| Required: | CH 101, PH 105, and PH 106 |
| Approved Electives: | BSC 114/115 Principles of Biology, CH 102 Gen Chemistry II, GEO 101 Dynamic Earth, GEO 102 Earth Through Time, GEO 104 Hazardous Earth, GEO 105 Sustainable Earth, GY 101 Atmospheric Processes, GY 102 Earth Surface Processes |

**Credits**
- 4

**Advising Notes**
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### Approved Natural Science (N) Electives

**Required:** CH 101, PH 105, and PH 106

**Approved Electives:**
- BSC 114/115 Principles of Biology
- CH 102 Gen Chemistry II
- GEO 101 Dynamic Earth
- GEO 102 Earth Through Time
- GEO 104 Hazardous Earth
- GEO 105 Sustainable Earth
- GY 101 Atmospheric Processes
- GY 102 Earth Surface Processes

**Credits:**
- 4
### Department of Civil, Construction, and Environmental Engineering:
### Bachelor of Science in Construction Engineering (BSConE)

#### JUNIOR YEAR

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<thead>
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<th>Fall</th>
<th>Spring</th>
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#### SENIOR YEAR

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#### Senior Design Prequisite and Corequisite Requirements

<table>
<thead>
<tr>
<th>CE 262 AEM 250</th>
<th>CE 331 Structural Engr (3)</th>
<th>CE 402 or CE 404</th>
<th>CE 462</th>
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<tbody>
<tr>
<td>CE 366</td>
<td>CE 418 Engineering Management (3) Spring Only</td>
<td>CE 433 Reinforced Concrete Structures I or CE 434 Structural Steel Design (3)</td>
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<tr>
<td>CE 340 Geotechnical Engr W (4)</td>
<td>CE 366 Vertical Construction (3) Spring Only</td>
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<td>CE 366 Construction Engr (3)</td>
<td>CE 463 Construction Cost Estimating (3) Spring Only</td>
<td>CE 340 CE 366</td>
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<td>Engineering Systems Elective (3)</td>
<td>CE 468 Construction Scheduling (3) Fall Only</td>
<td>CE 366 CE 466</td>
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<td>COM 123 Public Speaking HU (3)</td>
<td>CE 366 GES 255</td>
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<td>HU/L/FA Elective HU/L/FA (3)</td>
<td>Senior Plan of Study Elective* (3)</td>
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#### Advising Notes

- **Senior Plan of Study Elective**
  - Take two of the three: AEM 311, ECE 320, ME 215/216

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### *Advising Notes—Plan of Study*

- Please see the student guide to Senior Plan of Study Electives for a full list of electives and requirements.
- All students are strongly encouraged to prepare for and take the Fundamentals of Engineering (FE) Exam. The department recommends taking in their last semester or immediately after graduation.

### Advising Notes

- Prerequisites (C- or greater): CE 331, CE 340 and CE 366 and a minimum of one 400 level CE class
- Co-requisites (C- or greater): (can be taken concurrently with CE 402): CE 461, CE 468 + 1 of (CE 433 or CE 434)
- Prerequisites (C- or greater): CE 331, CE 340 and CE 366 +1 of (CE 433 or CE 434)
- Co-requisites (C- or greater): (can be taken concurrently CE 404): CE 462 and CE 468

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### Notes

- HI/SB = History & Social and Behavioral Science
- HU/L/FA = Humanities/Literature/Fine Arts
- EC 110 is recommended as SB electives
- Foreign language is recommended as HU electives
- C = Computer Science
- W = Writing

Revision 2.3 January 2021