

**Department of Civil, Architectural and Environmental Engineering**  
**Bachelor of Science in Architectural Engineering**  
**Major Code: 0011**

**Curriculum Guide**

| <b>Course</b>                         | <b>CR</b> | <b>Course</b>                          | <b>CR</b> |
|---------------------------------------|-----------|--|-----------|
| <b>Freshman Year: First Semester</b>  |           | <b>Freshman Year: Second Semester</b>  |           |
| GEEN 100                              | 2         | ENGL 101                               | 3         |
| MATH 131                              | 4         | Math 132                               | 4         |
| CHEM 106                              | 3         | Social Science Electives               | 3         |
| CHEM 116                              | 1         | PHYS 241                               | 3         |
| GEEN 111                              | 1         | PHYS 251                               | 1         |
| ENGL 100                              | 3         | CAEE 121                               | 1         |
| CAEE 101                              | 2         | <b>Semester Total</b>                  | <b>15</b> |
| <b>Semester Total</b>                 | <b>16</b> |  |           |
| <b>Sophomore Year: First Semester</b> |           | <b>Sophomore Year: Second Semester</b> |           |
| MATH 231                              | 4         | MATH 431                               | 3         |
| CAEE 231                              | 3         | MEEN 241                               | 3         |
| PHYS 242                              | 3         | AREN 215                               | 2         |
| PHYS 252                              | 1         | ECEN 340                               | 3         |
| African American Studies              | 3         | CAEE 232                               | 3         |
| AREN 112                              | 3         | CAEE 240                               | 3         |
| CAEE 230                              | 1         | <b>Semester Total</b>                  | <b>17</b> |
| <b>Semester Total</b>                 | <b>18</b> |  |           |
| <b>Junior Year: First Semester</b>    |           | <b>Junior Year: Second Semester</b>    |           |
| CAEE 362                              | 3         | AREN 387 ( <i>formerly AREN 483</i> )  | 3         |
| AREN 382                              | 3         | CAEE 304                               | 3         |
| CAEE 363                              | 1         | CAEE 325                               | 3         |
| AREN 348                              | 3         | AREN 364                               | 2         |
| AREN 344                              | 1         | AREN 363                               | 1         |
| CAEE 330                              | 3         | AREN 342                               | 3         |
| CAEE 335                              | 1         | AREN 315                               | 1         |
| CAEE 401                              | 0         | <b>Semester Total</b>                  | <b>16</b> |
| <b>Semester Total</b>                 | <b>15</b> |  |           |
| <b>Senior Year: First Semester</b>    |           | <b>Senior Year: Second Semester</b>    |           |
| AREN 480                              | 2         | AREN 481                               | 1         |
| Humanity Electives                    | 3         | AREN 467                               | 2         |
| CAEE 450                              | 3         | CAEE 334                               | 2         |
| AREN 462                              | 3         | Science Elective                       | 3         |
| Global Studies Elective               | 3         | CAEE 482                               | 3         |
| CAEE 430                              | 3         | AREN Engineering Design Elec           | 3         |
| <b>Semester Total</b>                 | <b>17</b> | <b>Semester Total</b>                  | <b>14</b> |

**Total Credit Hours: 128**

## MAJOR PROGRAM REQUIREMENTS

*Students must earn a C or better in the following courses:*

|          |                   |
|----------|-------------------|
| CAEE 100 | INEN 260          |
| CAEE 231 | INEN 370          |
| CAEE 232 | CHEM 106          |
| CAEE 240 | MATH 131          |
| CAEE 304 | MATH 132          |
| CAEE 334 | MATH 231          |
| CAEE 362 | MATH 431          |
| ECEN 340 | PHYS 241          |
| MEEN 241 | PHYS 242          |
| GEEN 100 | Science Electives |
| GEEN 161 |                   |