

**Curriculum Guide  
Major: Civil Engineering (B.S.)  
2012-2013**

| First Year             |            |                              |         | Second Year                  |            |                      |         |
|------------------------|------------|------------------------------|---------|------------------------------|------------|----------------------|---------|
| Semester 1             |            | Semester 2                   |         | Semester 1                   |            | Semester 2           |         |
| ENGR 1301* w/lab       | 3 hrs.     | ENGR 1304                    | 3 hrs.  | ENGR 2301*                   | 3 hrs.     | ENGR 2302*           | 3 hrs.  |
| ENGL 1301              | 3 hrs.     | ENGL 2311*                   | 3 hrs.  | PHYS 2425* w/lab             | 4 hrs.     | ENGR 2332*           | 3 hrs.  |
| CHEM 1411* w/lab       | 4 hrs.     | CHEM 1412* w/lab             | 4 hrs.  | MATH 3342*                   | 3 hrs.     | PHYS 2426* w/lab     | 4 hrs.  |
| MATH 2413*             | 4 hrs.     | MATH 2414*                   | 4 hrs.  | CENG 2361* w/lab             | 3 hrs.     | MATH 3340*           | 3 hrs.  |
| Core 90 <sup>C</sup>   |            | Core 50 <sup>C</sup>         | 3 hrs.  | CS 1315*                     | 3 hrs.     | COMM 1315            | 3 hrs.  |
| (IDS 1071 if required) | 3 hrs.     |                              |         | ENGR 1171 (SU)               | 1 hr.      |                      |         |
|                        | 17 hrs.    |                              | 17 hrs. |                              | 16/1 hrs.  |                      | 15 hrs. |
| Third Year             |            |                              |         | Fourth Year                  |            |                      |         |
| Semester 1             |            | Semester 2                   |         | Semester 1                   |            | Semester 2           |         |
| CENG 3321* w/lab       | 3 hrs.     | CENG 3341* w/lab             | 3 hrs.  | CENG Elec.                   | 3 hrs.     | CENG 4380*           | 3 hrs.  |
| CENG 3351*             | 3 hrs.     | CENG 3362*                   | 3 hrs.  | CENG Design Elec.            | 3 hrs.     | ENGR/MENG/ET/EVEG    |         |
| MENG 4304* w/lab       | 3 hrs.     | CENG Structural Design Elec. | 3 hrs.  | MATH/PHYS Elec. <sup>1</sup> | 3-5 hrs.   | Elective             | 3 hrs.  |
| EVEG 2331* w/lab       | 3 hrs.     | CENG 3311*                   | 3 hrs.  | Core 60 <sup>C</sup>         | 3 hrs.     | Core 40 <sup>C</sup> | 3 hrs.  |
| ENGR 3202*             | 2 hrs.     | Core 70 <sup>C</sup>         | 3 hrs.  | Core 70 <sup>C</sup>         | 3 hrs.     | Core 60 <sup>C</sup> | 3 hrs.  |
| GEOL/CS/ET Elec.       | 3-4 hrs.   |                              |         |                              |            | Core 80 <sup>C</sup> | 3 hrs.  |
|                        | 17-18 hrs. |                              | 15 hrs. |                              | 15-17 hrs. |                      | 15 hrs. |

\* Indicates prerequisites.      <sup>C</sup> See degree checklist for options.      FA=Fall only      SP=Spring only

**NOTE: Course scheduling/rotation notes are not definitive and should be used for general planning purposes only. A number of factors can influence when courses are offered. Students should always seek the advice of their academic advisor before scheduling classes.**

**PREREQUISITE NOTES:**

**CENG 2361:** ENGR 1301 and ENGR 1304.  
**CENG 3311:** EVEG 2331 and MENG 4304.  
**CENG 3321:** ENGR 2301 and CHEM 1411.  
**CENG 3341:** ENGR 2332.  
**CENG 3351:** ENGR 2332.  
**CENG 3362:** ENGR 2302, MATH 2413, and PHYS 2425.  
**CENG 4304:** MATH 3340.  
**CENG 4380:** senior standing.  
**CHEM 1411:** MATH 1314 or MATH 1324.  
**CHEM 1412:** CHEM 1411.  
**CS 1315:** MATH 1314 and MATH 1316 or MATH 2412.  
**ENGL 2311:** ENGL 1301.  
**ENGR 1301:** MATH 1314.  
**ENGR 2301:** ENGR 1301 and MATH 2413.  
**ENGR 2302:** ENGR 2301.  
**ENGR 2332:** ENGR 2301 and MATH 2414.  
**ENGR 3202:** MATH 1314 or higher.  
**EVEG 2331:** ENGR 1301 and CHEM 1412.  
**MATH 1314/1324:** MATH 0303 or a score of 85 or higher on Accuplacer Elementary Level Algebra.  
**MATH 2413:** MATH 2412 or 1316 or ACT score of 27 or SAT 620 or above on the math section.  
**MATH 2414:** MATH 2413.  
**MATH 3340:** MATH 2414.  
**MATH 3342:** MATH 2414.  
**MENG 4304:** MATH 3340.  
**PHYS 2425:** MATH 2413 or concurrent enrollment.  
**PHYS 2426:** PHYS 2425 and MATH 2414 or concurrent enrollment.

**ADDITIONAL NOTES:**

<sup>1</sup> Must be from MATH 3311 (prereq. MATH 2414, FA), MATH 3343 (prereq. MATH 3342, SP), MATH 4340 (prereq. MATH 3340, FA odd), MATH 4341 (prereq. MATH 3325, SP), MATH 4361 (no prereq., SP odd), MATH 4362 (prereq. MATH 2414, FA even), PHYS 3310 (prereq. PHYS 2426 and MATH 2414, FA odd), PHYS 4310 (prereq. PHYS 3310, SP even), PHYS 4330 (prereq. PHYS 2426, SP odd).