

## CEE Mechanics Sequence Curriculum Paths

### "SOLIDS" PORTION

- The "SOLIDS" portion of the mechanics sequence normally consists of CEE 2105 (4) and CEE 2106 (4).
- Alternatively, this portion may be satisfied by taking either CEE 2100 (3) or CEE 2105 (4), along with both CEE 2103 (3) and CEE 3902 (2).
- A student does not satisfy the requirement by taking only CEE 2100 (3) and CEE 2106 (4).
- A student must complete CEE 2103 or CEE 2106 before the Junior Fall and CEE 2106 or CEE 3902 before the Junior Spring to "stay on track".
- Prerequisite information for "SOLIDS" mechanics courses and related upper level courses:

<u>Course</u>	<u>Semester Offered</u>	<u>Prerequisites</u>
CEE 2100: Statics	Spring, Summer	MAT 1505 and (PHY 2400 or PHY 2410)
CEE 2103: Mechanics of Solids	Spring, Summer	CEE 2100 or CEE 2105
CEE 2105: Mechanics I	Fall	MAT 1505 and (PHY 2400 or PHY 2410)
CEE 2106: Mechanics II	Spring	CEE 2105
CEE 3401: Structural Analysis	Fall	CEE 2103 or CEE 2106
CEE 3412/3912: Structural Design (and Lab)	Spring	CEE 2106 or (CEE 2103 and CEE 3902)
CEE 3801/3901: Soil Mechanics (and Lab)	Spring	GLY 2805 and (CEE 2103 or CEE 2106)
CEE 3902: CE Materials	Fall	CEE 2103

### "FLUIDS" PORTION

- The "FLUIDS" portion of the mechanics sequence normally consists of CEE 3107 (4).
- Alternatively, this portion may be satisfied by taking both CEE 3500 (3) and CEE 3910 (1).
- A student must complete CEE 3107 or CEE 3500 before the Junior Spring to "stay on track".
- Prerequisite information for "FLUIDS" mechanics courses and related upper level courses:

<u>Course</u>	<u>Semester Offered</u>	<u>Prerequisites</u>
CEE 3107: Mechanics III	Fall	MAT 2500 and (CEE 2100 or CEE 2105)
CEE 3500: Fluid Mechanics	Fall, Spring	MAT 2500 and (CEE 2100 or CEE 2105)
CEE 3511/3913: Hydraulic Egr & Hydrology (and Lab)	Spring	CEE 3107 or CEE 3500
CEE 3910: Fluid Mechanics Lab	Fall	none

Several course sequences that keep a student "on track" are shown below. These plans allow students to take upper level courses in the normal sequence. Additional options are available that allow a student to graduate on time, but restrict options for CEE Senior Electives.

**"SOLIDS" PORTION: A student must complete CEE 2103 or CEE 2106 before the Junior Fall and CEE 2106 or CEE 3902 before the Junior Spring to "stay on track".**

**"FLUIDS" PORTION: A student must complete CEE 3107 or CEE 3500 before the Junior Spring to "stay on track".**

	Soph. Fall	Soph. Spring	Soph.-Jr. Summer	Junior Fall	Junior Spring	Jr.-Sr. Summer	Senior Fall	Senior Spring
Standard Sequence	CEE 2105 (4)	CEE 2106 (4)		CEE 3107 (4)				
Alternate 1 (Student Lacking prerequisites for CEE 2105)		CEE 2100 (3)	CEE 2103 (3) <i>[VU or elsewhere]</i>	CEE 3107 (4)	CEE 3902 (2)			
Alternate 2 (Student Failing CEE 2105)	CEE 2105 (4)	CEE 2100 (3)	CEE 2103 (3) <i>[VU or elsewhere]</i>	CEE 3107 (4)	CEE 3902 (2)			
Alternate 3 (Student Abroad Soph. Spring)	CEE 2105 (4)	CEE 2103 (3) <i>[abroad]</i>		CEE 3107 (4)	CEE 3902 (2)			
<i>* Student will have one extra credit</i>								
Alternate 4 (Student Abroad Soph. Spring)	CEE 2105 (4)		CEE 2103 (3) <i>[VU or elsewhere]</i>	CEE 3107 (4)	CEE 3902 (2)			
<i>* Student will have one extra credit</i>								
Alternate 5 (Student Failing CEE 2106)	CEE 2105 (4)	CEE 2106 (4)	CEE 2103 (3) <i>[VU or elsewhere]</i>	CEE 3107 (4)	CEE 3902 (2)			
<i>* Student will have one extra credit</i>								
Alternate 6 (Student Abroad Junior Fall)	CEE 2105 (4)	CEE 2106 (4)					CEE 3910 (1)	
		CEE 3500 (3)						
Alternate 7 (Student Abroad Junior Fall)	CEE 2105 (4)	CEE 2106 (4)		CEE 3500 (3) <i>[abroad]</i>			CEE 3910 (1)	

Note: Transfer cases must be reviewed on a case by case basis to assign appropriate equivalency credit.