### Architecture Studies Minor
- ARTS 532 (FPA)
- ARTS 574 (HP)
- ARTS 455, 525, or 657
- Elective 1: CEE 402
- Elective 2:

### Leadership Minor
- MGT 588
- MGT 586, Leadership
- WS505 (HP)/POLT550 (WC)
- CEP 415 (SS)/CIS 401 (SS)
- PHIL1040/346/WS 405 (HUMA)
- Leadership Experience

### Entrepreneurship Minor
- MGT 598, Entrepreneur.
- MKTG 598
- DS 598
- Elec. 1: TECH 750
- Elec. 2: CEE 798

### International Affairs Minor
- Languages through 504
- IA 401
- ECON401/402/EREC 411 (SS)
- PCH Elective
- SEEH Elective: CEE 520
- ≥ 3 weeks or 4 cr abroad

### Leadership Minor
- MGT 588, Entrepreneur.
- MKTG 598
- DS 598
- Elec. 1: TECH 750
- Elec. 2: CEE 798

### International Affairs Minor
- Languages through 504
- IA 401
- ECON401/402/EREC 411 (SS)
- PCH Elective
- SEEH Elective: CEE 520
- ≥ 3 weeks or 4 cr abroad

### Entrepreneurship Minor
- MGT 598, Entrepreneur.
- MKTG 598
- DS 598
- Elec. 1: TECH 750
- Elec. 2: CEE 798

### International Affairs Minor
- Languages through 504
- IA 401
- ECON401/402/EREC 411 (SS)
- PCH Elective
- SEEH Elective: CEE 520
- ≥ 3 weeks or 4 cr abroad

---

1 No more than 8 cr may be used for both a minor and the major or for both majors in a dual major. Discovery electives are not considered “major requirements.” There is no limit on overlapping credits allowed between minors. ARTS 455 is preferred. 2 CEE 700, 703, 719 can be used for both major and minor. See website for other options. 3 See website for options. 4 CEE 797/798 can work with significant entrepreneurial content. 5 Select HUMA, FPA, or HP course. 6 If RMP 511 is used for HUMA, take SAFS 410 or 510, else take EREC 444 or POLT 547 for WC. 7 Select two of CEE 705, 706, for 719 for both minor and major.
**ADVISORY NOTES**

**Notes for Incoming Students and about Transfer Credit**

1. AP Courses:
   b. AP Chemistry—3: get CHEM 403 credit, still need 404 or 405. 4 or 5: get both CHEM 403 and 404 credit.
   c. AP Physics—3,4,5: Both Physics 1&2: still need 407 get 408 “credit”, C Mech = 407; C E&M=408 credit.
   d. AP Environmental Science—you receive credit for NR 435 but still need to take CEE 520.

2. MATH 425—if you can take MATH 425 in the 1st semester, try to take PHYS 407 in the 1st semester, too.

3. International Affairs Dual Major—if starting a new language, begin immediately. Otherwise, seek placement.

4. Transfer Students—To transfer into the CEE program, you must meet the following requirements:
   a. be a CEE major or have ≥ 12 cr of graded work at UNH, Calculus I, and either chemistry or calculus-based physics with 4 year program grades of C or better or community college grades of B or better;
   b. have a GPA ≥ 2.33 overall;
   c. have a GPA ≥ 2.33 in MATH 403, 404, CHEM 405, CHEM 500, and CEE 501 taken to date; and
   d. have a GPA ≥ 2.33 in MATH 425, PHYS 407, CHEM 405, CHEM 500, and CEE 501 or if only one has been taken, a grade of C+ in the course.

Only CEE 600- and 700-level courses with a grade of C- or better may be transferred in.

**Notes for Ongoing Students**

5. CEE 400 and Advanced Students—if you achieve junior-level status without CEE 400, petition to take a different course such as a MATH 500-level or some other CEE 600-level course. However, be careful to check that you have the Discovery Inquiry requirement and the ETS requirements fulfilled some other way.

6. CHEM 403/404 vs. CHEM 405—You may take both CHEM 403 and CHEM 404 instead of CHEM 405 though this adds a course. If so, CHEM 403 is used instead of 405 for determining CEE 600-level qualification.

7. Transfer Credit—Only a grade of C or better counts for UNH credits. Submit a Transfer Credit Prior Approval form before taking a course elsewhere. Transferring courses fulfill requirements but the grades do not transfer or affect the UNH GPA.

8. Study Away—you must take both a UNH GPA ≥ 2.50 and a GPA in CEE courses also greater ≥ 2.50.

9. Writing Intensive Courses—you must take at least four: ENGL 401, 1 CEE, 1 600-level, and 1 more.

10. ME 525/526 vs. CEE 500/501—ME 525 may be taken instead of CEE 500 and ME 526 instead of CEE 501.

**Notes Regarding Electives**

11. AutoCAD electives—CEE 402.

12. Spatial Metrics Electives—CEE 403, CEE 404 (CIE 505), CT 446, NR 658, FORT 581, or ANTH 674.

13. Technical Writing Elective—ENGL 502 or ENGL 602.

14. Statistics Elective—MATH 539 or MATH 644. Transfer courses must be calculus-based. AP Credit is insufficient.

15. SS Discovery Elective—BSCIVE program students entering in the Fall of 2014 and after restricted to the following: CEP 415, CSL 401, ECON 401, ECON 402, ECON 444, EREC 411, GEOG 582, GEOG 584, or POLT 402.

16. WC Discovery Elective—International Students and students that study abroad may not have to take the World Cultures Discovery Course. Therefore, delay the WC elective until you’re sure you need it.

17. Senior Technical Elect.—GEOG 757, INCO 795, NR 757, TECH 750, TECH 780, CEPs or CEE 700-level course ≥ 3 cr.

**Notes for Seniors**

18. Restrictions on the Senior CEE electives:
   a. You must take four electives in four different areas. (A course listed with two areas can only serve for one.)
   b. You must take at least three design courses: a PDE plus two more design courses.

19. Accelerated Master’s Program—if you are a senior with a GPA ≥ 3.20, you can be concurrently admitted to a UNH Master’s program and some courses can count for both the BSCIVE and the master’s degree. A maximum of 8 cr can be accepted for a UNH MSCE. (Up to 12 cr may be accepted for other master’s degrees.)

20. Required Credits—129 credits are required. If you meet the BSCIVE requirements with fewer credits, you must make up the difference with additional credits. Any UNH or transferred course is acceptable to do so.

---

**700-LEVEL CEE ELECTIVES**

- **New #**
- **Old #**
- **Course Title**
- **Credits**
- **SUB**
- **ENR**
- **TRA**
- **WAT**
- **GEO**
- **STR**

| CEE 733 | ENE 739 | Public Infrastructure Asset Management | 4 cr | ✓ | ✓ |
| 748 & 749 | CIE 721 | Pavement Design and Analysis (w/lab) | 4 cr | ✓ | ✓ |
| 755 | 755 | Design of Press Water Trans Systems | 4 cr | ✓ | √ |
| 758 | 758 | Stormwater Management Designs | 3 cr | ✓ | ✓ |
| 759 | 759 | Stream Restoration | 4 cr | ✓ | ✓ |
| 778 | 760 | Foundation Design I | 4 cr | ✓ | ✓ |
| 791 | 774 | Reinforced Concrete Design | 4 cr | ✓ | ✓ |
| 793 | 933 | Structural Design in Steel | 4 cr | ✓ | ✓ |
| CEE 719 | CIE 781 | Green Building Design | 3 cr | ✓ | ✓ |
| 730 | ENE 740 | Public Health Engr Rural & Develop | 3 cr | ✓ | ✓ |
| 731 | 744 | Advanced Water Treatment Processes* | 4 cr | ✓ | ✓ |
| 732 | 748 | Solid and Hazardous Waste Design* | 4 cr | ✓ | ✓ |
| 779 | 761 | Foundation Design III | 3 cr | ✓ | ✓ |
| 789 | 792 | Timber Design | 3 cr | ✓ | ✓ |
| 790 | 776 | Structural Design in Masonry | 3 cr | ✓ | ✓ |
| 792 | 793 | Prestressed Concrete§ | 3 cr | ✓ | ✓ |
| 794 | 792 | Bridge Design§ | 3 cr | ✓ | ✓ |
| CEE 700 | CIE 780 | Building Information Modeling | 3 cr | ✓ | ✓ |
| 702 | 778 | Issues in Engineering Practice & Mgmt | 3 cr | ✓ | ✓ |
| 703 | 753 | Site Design and Project Development | 3 cr | ✓ | ✓ |
| 704 | 754 | Transportation Engineering & Planning | 3 cr | ✓ | ✓ |
| 705 | ENE 751 | Introduction to Sustainable Engineering | 3 cr | ✓ | ✓ |
| 706 | 797 | Environmental Life Cycle Assessment | 3 cr | ✓ | ✓ |
| 720 | 742 | Solid and Hazardous Waste Engineering | 3 cr | ✓ | ✓ |
| 721 | 743 | Environmental Sampling & Analysis* | 4 cr | ✓ | ✓ |
| 722 | 747 | Introduction to Marine Poll & Control | 4 cr | ✓ | ✓ |
| 723 | 749 | Water Chemistry | 3 cr | ✓ | ✓ |
| 734 | 755 | Environmental Engineering Microbiology* | 3 cr | ✓ | ✓ |
| 735 | 712 | Properties and Production of Concrete | 3 cr | ✓ | ✓ |
| 736 | 723 | Asphalt Mixtures and Construction | 3 cr | ✓ | ✓ |
| 750 | 750 | Hydrology§ | 3 cr | ✓ | ✓ |
| 751 | 741 | Open Channel Flow | 3 cr | ✓ | ✓ |
| 754 | 745 | Engineering Hydrology | 3 cr | ✓ | ✓ |
| 757 | 757 | Coastal Engineering and Processes | 3 cr | ✓ | ✓ |
| 765 | 767 | Engineering Behavior of Soils | 4 cr | ✓ | ✓ |
| 766 | 762 | Intro to Geotech Earthquake Engineering§ | 3 cr | ✓ | ✓ |
| 767 | 763 | Geological Engineering§ | 3 cr | ✓ | ✓ |
| 768 | 766 | Geo-Environmental Engineering | 3 cr | ✓ | ✓ |
| 780 | 783 | Matrix Structural Analysis & Modeling | 3 cr | ✓ | ✓ |
| 781 | 787 | Dynamics of Structures | 3 cr | ✓ | ✓ |

* Writing intensive, † Advanced prerequisite, ‡ taken without the lab, counts as a design elective.