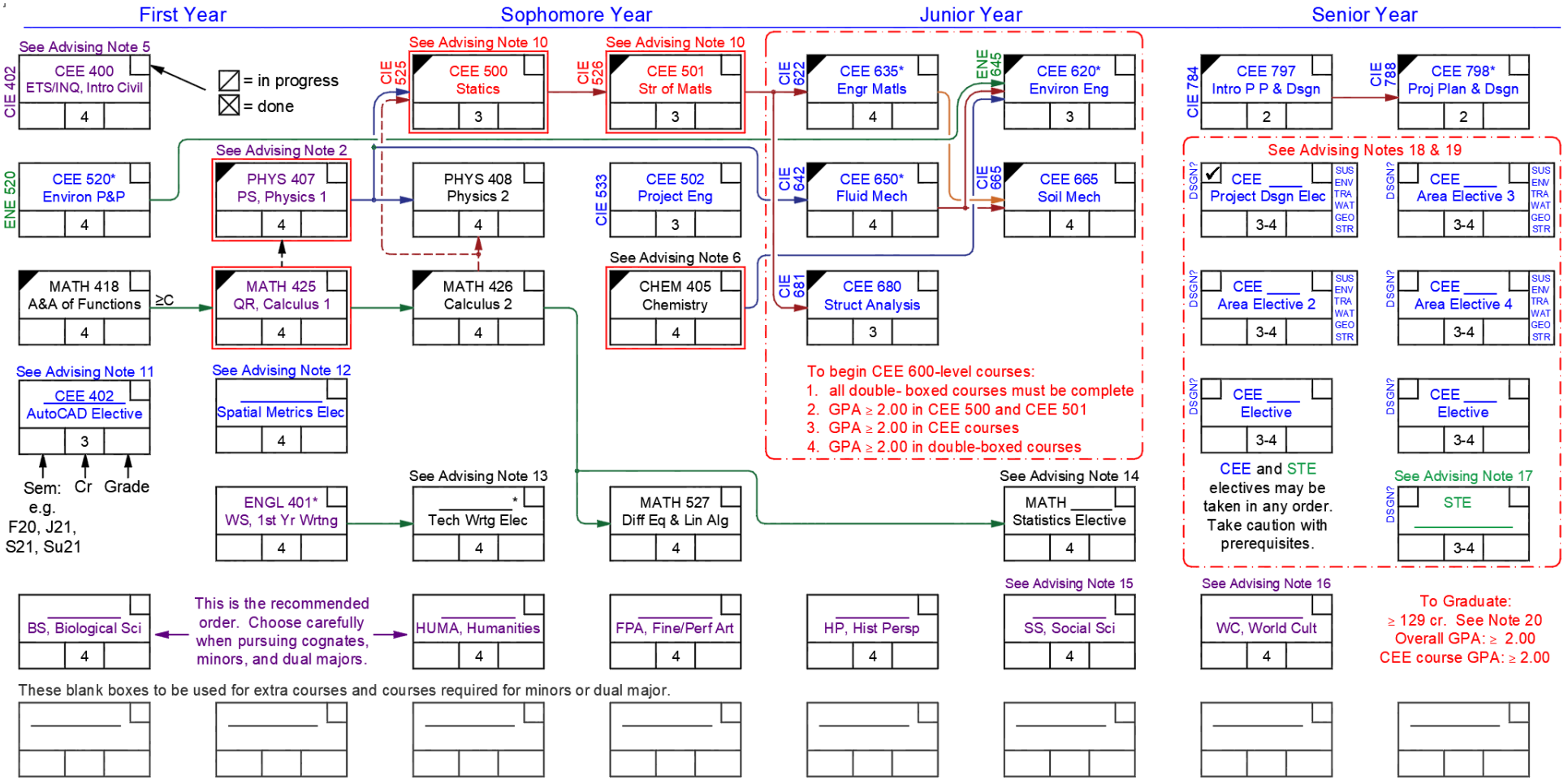

Student:

Continuous line = prerequisite, dashed line = pre- or corequisite, * = "writing-intensive" (see Advising Note 9), solid corner triangle = critical path

Architecture Studies Minor[1]
- ☐ ARTS 532 (FPA)
- ☐ ARTS 574 (HP)
- ☐ ARTS 455[2], 525, or 567
- ☐ Elective 1[3]: CEE 402
- ☐ Elective 2[3]: _____

Art Minors[1]
- ☐ Total of 5 studio art or art history classes. (Arch. minor plus 2 ARTS)

Leadership Minor[1]
- ☐ MGT 580
- ☐ MGT 585, Leadership
- ☐ WS505 (HP)/POLT550 (WC)
- ☐ CEP 415 (SS)/CSL 401 (SS)
- ☐ PHIL410/436/WS 405 (HUMA)
- ☐ Leadership Experience

Writing/Speaking Cognate
- ☐ CMN 500 ☐ ENGL 502
- ☐ CMN 600 or ENGL 602

Entrepreneurship Minor[1]
- ☐ MGT 598, Entrepren.
- ☐ MKTG 598
- ☐ DS 598
- ☐ Elec. 1[5]: TECH 750
- ☐ Elec. 2[5,6]: CEE 798

Digital World Cognate
- ☐ IT403
- ☐ CS 405, 410, or 414
- ☐ ENGL 415E (HUMA)

International Affairs Minor[1]
(all courses, C or better)
- ☐ Language through 402
- ☐ IA 401
- ☐ ECON401/402/EREC 411 (SS)
- ☐ PCH Elective[5,7]: _____
- ☐ SEEH Elective: CEE 520
- ☐ ≥ 3 weeks or 4 cr abroad

BSCIVE/IA Dual Major
(all courses, C or better)
- ☐ Language through 504
- ☐ IA 401 ☐ IA 501 ☐ IA 701
- ☐ ECON401/402/EREC 411(SS)
- ☐ PCH Elective: [5,7]: _____
- ☐ SEEH Elective: CEE 520
- ☐ 3rd Elective [5,7]: _____
- ☐ ≥ 8 weeks abroad

BSCIVE/Sustainability Dual Major[1]
- ☐ SUST 401 ☐ 501 ☐ 750
- ☐ NBS Elec: RMP 511 or ENGL 521 (HUMA)
- ☐ SSH Elec.[8]: SAFS 410/510 or EREC 444/POLT 547(WC)
- ☐ Elective 3[9]: _____
- ☐ Elective 4[9]: _____
- ☐ Elective 5[5]: _____

[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. [2]ARTS 455 is preferred. [3]CEE 700 and 719 can be used for both major and minor. See website for other options. [5]See website for options. [6]CEE 797/798 can work with significant entrepreneurial content. [7]Select HUMA, FPA, or HP course. [8]If RMP 511 is used for HUMA, take SAFS 410 or 510, else take EREC 444 or POLT 547 for WC. [9]Select two of CEE 705, 706, for 719 for both minor and major.

ADVISING NOTES

Notes for Incoming Students and about Transfer Credit

1. *AP Courses:*
   a. *AP Calc*—AB=4/BC=3: MATH 425 optional. AB=5/BC=4: take MATH 426. BC=5: take MATH 527.
   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 BSCIVE program, you must meet the following requirements:
   a. be a CEPS 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 CEE courses taken to date;
   d. have a GPA ≥ 2.33 in MATH 425, PHYS 407, CHEM 405, CEE 500, and CEE 501 taken to date; and
   e. have a GPA ≥ 2.33 in CEE 500 & 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 CEPS 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 credit. Submit a Transfer Credit Prior Approval form before taking a course elsewhere. Transferred courses fulfill requirements but the grades do not transfer or affect the UNH GPA.
8. *Study Away*—You need 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 Elec.*—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	SUS	ENV	TRA	WAT	GEO	STR
Project-Based Design Elec	CEE 733	ENE 739	Public Infrastructure Asset Management	4 cr		✓	✓			
	734	746	Bioenvironmental Engineering Design*§	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	793	Structural Design in Steel	4 cr						✓
Addl. Design Electives	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	CIE 761	Foundation Design II§	3 cr					✓	
	789	782	Timber Design	3 cr						✓
	790	776	Structural Design in Masonry	3 cr						✓
	792	791	Prestressed Concrete§	3 cr						✓
	794	792	Bridge Design§	3 cr			✓			✓
Other Electives	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	4 cr		✓				
	724	756	Environmental Engineering Microbiology*	4 cr		✓				
	735	CIE 722	Properties and Production of Concrete	3 cr			✓			✓
	736	723	Asphalt Mixtures and Construction	3 cr			✓			
	737	—	Pavement Rehab., Maint., & Mgmt.	3 cr			✓			
	750	750	Ecohydrology§	3 cr				✓		
	751	741	Open Channel Flow	3 cr				✓		
	753	—	Snow Hydrology	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 Structuctural Analysis & Modeling	3 cr						✓
	781	787	Dynamics of Structures§	3 cr						✓

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