

First Year

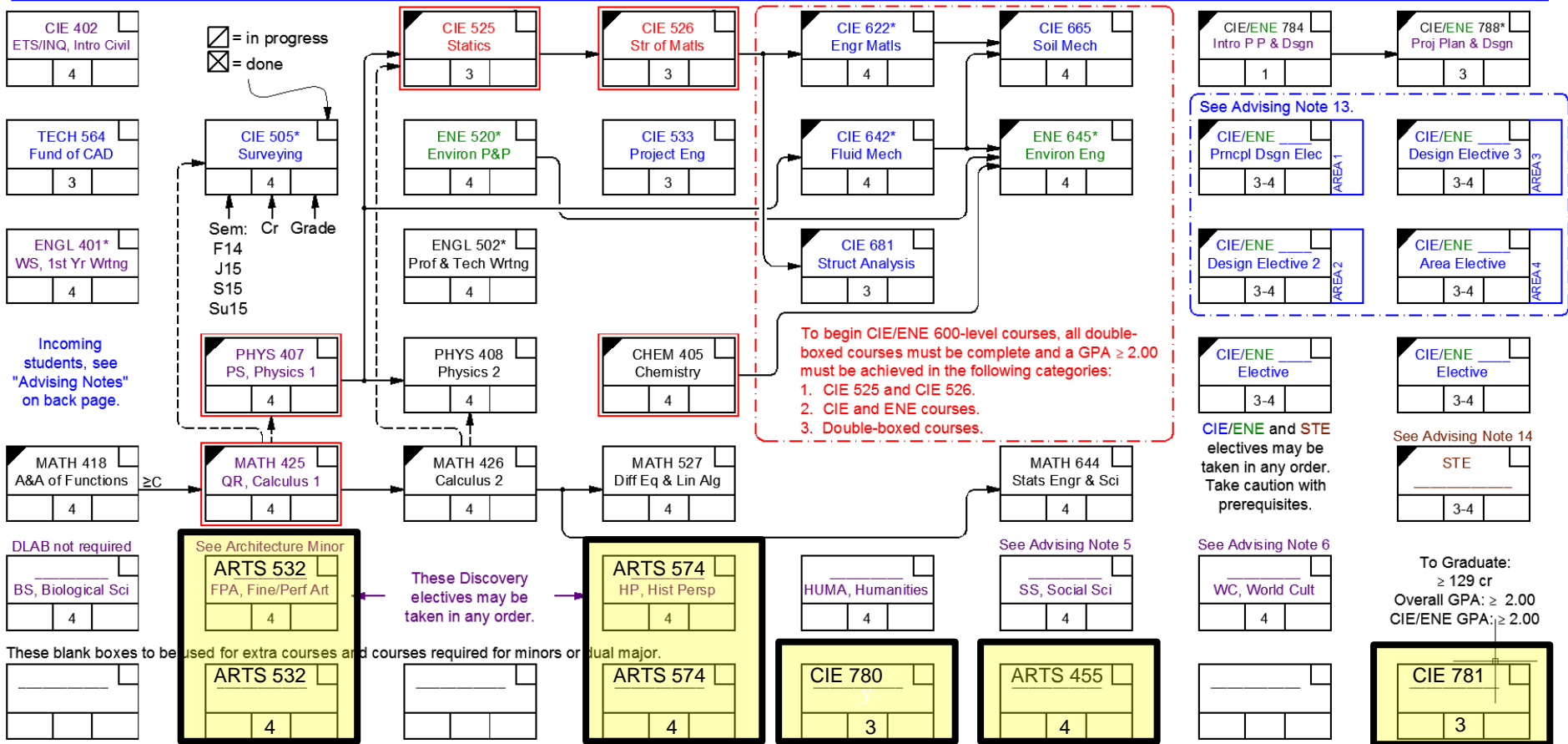
Sophomore Year

Junior Year

Senior Year

Sample

Sample



Student:

- Architecture Studies Minor¹**
- 1 ARTS 532 (as FPA?)²
 - 2 ARTS 574 (as HP?)²
 - 4 ARTS 455³, 525, or 567
 - 3 CIE 780 or 781 as CIE elec⁴
 - 5 ARTS 625, 655, or 656, or CIE 780, 781⁵

- International Affairs Minor**
- Language through 504 level
 - IA 401 with grade of C or better
 - ECON 401A or 402A as SS⁴
 - IA FA elective⁶
 - ENE 520 as IA STP elective⁴
 - ≥ Three weeks or 4 cr abroad

- BSCSE/International Affairs Dual Major**
(all courses, C or better)
- Language through 632
 - IA 401
 - IA 501
 - IA 701
 - ECON 401A, 402A, or EREC 411 as SS⁴
 - ENE 520 also as IA STP elective³
 - IA FA elective also as HUMA or HP^{4,6}
 - IA PT elective also as HP or HUMA^{4,6}
 - ≥ Eight weeks abroad after FA elective

- BSCSE/Justice Studies Dual Major**
(all courses, C- or better)
- JUST 401
 - JUST 501
 - JUST 601
 - JUST 701
 - POLT 407, 507, or SOC 515
 - BIOL 420 as BS⁴
 - JUST 530 or PHIL 436 as HUMA⁴
 - One more elective⁷

- Business Administration Minor**
- ECON 402 as SS⁴
 - ADMN 502
 - MKTG 550
 - MGT 580
 - ADMN 420 or ECON 401, 515, 518, 651, or 656

- Arch Studies & Art Minors**
- Architecture Minor with total of five ARTS classes.

- Tech Wrting & Public Spkng Cognate**
- CMN 500
 - ENGL 502⁴
 - CMN 600 or ENGL 602

¹Students need to declare by submitting form to the Department of Art and Art History. ²Both ARTS 532 & ARTS 574 are required but only one can be counted for both the major and the minor as a Discovery elective. ³ARTS 455 is preferred. ⁴Counts for both major and minor. ⁵CIE 780 or 781 can be taken for the minor if it hasn't been taken as the CIE elective. ⁶See IA website for list. If FA elective is HUMA, PT must be HP and vice versa. ⁷See website for list.

ADVISING NOTES

Notes for incoming students

1. AP Courses:
 - a. AP Math—AB=4/BC=3: MATH 425 optional. AB=5/BC=4: take MATH 426. BC=5: take MATH 527.
 - b. AP Statistics—Students with AP credit for statistics get credit for MATH 644.
 - c. AP Chemistry—3: CHEM 403 credit (CHEM 404 still required). 4 or 5: both CHEM 403 and 404 credit.
 - d. AP Physics—B=3: no useful credit, take PHYS 407 & 408. B=4 or 5: get PHYS 408 “credit” but must still take PHYS 407. C=3, 4, or 5: credit for PHYS 407 or 408 counts directly.
 - e. AP Environmental Science—Credit for NR 435 does not satisfy the ENE 520 requirement.
2. MATH 425 in 1st Semester—Students taking MATH 425 in the 1st semester should try to take PHYS 407 too.
3. International Affairs Dual Major—Incoming students should begin or continue language courses.
4. Transfer Students—To transfer into the civil engineering major, a student must have the following:
 - a. unless currently a CEPS major, ≥ 12 credits of graded work at UNH in a 4-year program;
 - b. a GPA ≥ 2.33 overall;
 - c. a GPA ≥ 2.33 in CIE and ENE courses taken to date;
 - d. a GPA ≥ 2.33 in MATH 425, PHYS 407, CHEM 405, CIE 525, and CIE 526 taken to date; and
 - e. a GPA ≥ 2.33 in CIE 525 & CIE 526 or, if only one has been taken, a grade of C+ in the course.
 Only CIE/ENE 600- and 700-level courses with a grade of C- or better may be transferred in.

Notes primarily for first-year and sophomore students

5. Social Science Discovery Elective—Students entering the BSCE program in the Fall of 2014 and after restricted to: CEP 415, CSL 401, ECON 401, ECON 402, ECON 444, EREC 411, GEOG 582, or POLT 402.
6. World Cultures Discovery Elective—International students and students that study abroad may not have to take the World Cultures Discovery Course. (Int’l students should apply for exemption.) It is, therefore, recommended that this Discovery course be one of the last Discovery courses taken.
7. CT 423/424 vs. CIE 505—Students may take both CT 423 and CT 424 in lieu of CIE 505.
8. ME 525/526 vs. CIE 525/526—ME 525 may be taken instead of CIE 525 and ME 526 instead of CIE 526.
9. CHEM 403/404 vs. CHEM 405—Students may take both CHEM 403 & 404 in lieu of CHEM 405 though this adds a course. If so, CHEM 403 is used instead of 405 for determining CIE 600-level qualification.

Notes primarily for junior and senior students

10. CIE 402 and Advanced Students—A student who will achieve junior-level status without having fulfilled the CIE 402 requirement should petition to take a different course. MATH 500-level and other CEPS 600-level or above have generally been approved. Make sure Discovery Program requirements are still fulfilled.
11. Study Away—UNH requirements plus a GPA ≥ 2.50 in CIE & ENE courses required at time of application.
12. Transfer Credit—Grades of C or better are required for courses taken elsewhere to receive UNH credit. The Registrar assigns credit for Discovery courses. The Undergraduate Coordinator assigns credit for technical courses. Current UNH students must submit a Transfer Credit Prior Approval form before taking a course elsewhere. Transferred courses fulfill requirements but grades do not transfer or affect the UNH GPA.
13. Restrictions on the Senior CIE/ENE electives:
 - a. Four of six areas (Environmental, Geotechnical, Materials, Structures, Water, Sustainability) required.
 - b. Of the four area electives, at least three must be design courses.
 - c. Of the three design courses, at least one must be a Principal Design Elective.
 Electives which do not have a concentration area cannot be taken as one of these four courses.
14. Senior Technical Elective—The STE can be any CEPS 700-level course of 3 cr or more including CIE and ENE courses. GEOG 757 (cross listed as NR 757) and TECH 759 may also be taken as the STE.
15. Writing Intensive Courses—Four req’d: ENGL 401, 1 in CIE/ENE, 1 more at 600-level or above, any other.
16. Accelerated Master’s Program—UNH Seniors with a 3.20 GPA or greater may be concurrently admitted to a UNH Master’s program. Dual credit acceptance for the CEE Master’s is limited to two courses and 8 credits.
17. Required Credits—129 credits are required. Students starting with MATH 418 are likely to end up with more. If requirements are met with fewer, additional credits must be earned in any course(s) to achieve 129.

| CONCENTRATION AREAS OF ELECTIVES (See Advising Note 13) | | | | Struct | Geo | Matls | Water | Env | Sus |
|--|---------|---------------------------------------|--------------------------------|--------|-----|-------|-------|-----|-----|
| PDE† | CIE 721 | Pavement Design | 4 cr | | | ✓ | | | |
| | 755 | Design Press. Water Trans. Systems | 4 cr | | | | ✓ | | |
| | 758 | Stormwater Management Designs | 3 cr | | | | ✓ | | |
| | 759 | Stream Restoration | 3 cr | | | | ✓ | | |
| | 760 | Foundation Design I | 4 cr | | ✓ | | | | |
| | 774 | Reinforced Concrete Design | 4 cr | ✓ | | | | | |
| | 793 | Structural Design in Steel | 3 cr | ✓ | | | | | |
| | ENE 746 | Bioenvironmental Engr Design*§ | 4 cr | | | | | ✓ | |
| CIE/ENE Design Elect. | CIE 721 | Pavement Design | 4 cr | | | ✓ | | | |
| | 761 | Foundation Design II§ | 3 cr | | ✓ | | | | |
| | 776 | Structural Design in Masonry | 3 cr | ✓ | | | | | |
| | 781 | Green Building Design | 3 cr | | | | | | ✓ |
| | 782 | Timber Design | 3 cr | ✓ | | | | | |
| | 791 | Prestressed Concrete§ | 3 cr | ✓ | | | | | |
| | 792 | LRFD Bridge Design§ | 3 cr | ✓ | | | | | |
| | ENE 744 | Physicochemical Treat Design§ | 4 cr | | | | | ✓ | |
| | 748 | Solid and Haz Waste Design*§ | 4 cr | | | | | ✓ | |
| CIE/ENE Electives | CIE 722 | Properties and Prod of Concrete | 3 cr | | | ✓ | | | |
| | 723 | Bituminous Materials and Mixtures | 3 cr | | | ✓ | | | |
| | 741 | Open Channel Flow | 3 cr | | | | ✓ | | |
| | 745 | Engineering Hydrology | 3 cr | | | | ✓ | | |
| | 750 | Ecohydrology§ | 3 cr | | | | ✓ | | |
| | 753 | Residential Construction | 3 cr | | | | | | |
| | 754 | Transportation Engr & Planning | 3 cr | | | | | | |
| | 757 | Coastal Engr & Processes | 3 cr | | | | ✓ | | |
| | 762 | Intro to Geotech Earthquake Engr§ | 3 cr | | ✓ | | | | |
| | 763 | Geological Engineering§ | 3 cr | | ✓ | | | | |
| | 766 | Geo-Environmental Engr | 3 cr | | ✓ | | | | |
| | 767 | Engineering Behavior of Soils | 4 cr | | ✓ | | | | |
| | 778 | Issues in Engineering Practice & Mgmt | 3 cr | | | | | | |
| | 780 | Building Information Modeling | 3 cr | | | | | | |
| | 783 | Matrix Struct Analysis & Modeling | 3 cr | ✓ | | | | | |
| | 787 | Dynamics of Structures§ | 3 cr | ✓ | | | | | |
| | 796 | GIS in Water Resources | 3 cr | | | | ✓ | | |
| | 796 | Residential Construction | 3 cr | | | | | | |
| | 796 | Transportation Asset Management | 3 cr | | | | | | |
| | | ENE 742 | Solid and Hazardous Waste Engr | 3 cr | | | | | ✓ |
| | 743 | Environ Sampling & Analysis* | 4 cr | | | | | ✓ | |
| | 747 | Intro to Marine Poll & Control | 4 cr | | | | | ✓ | |
| | 749 | Water Chemistry | 4 cr | | | | | ✓ | |
| | 751 | Intro. to Sustainable Engineering | 3 cr | | | | | | ✓ |
| | 756 | Environ Engr Microbiology* | 4 cr | | | | | ✓ | |
| | 797 | Infrastructure Asset Management | 3 cr | | | | | | |
| | 797 | Environmental Life Cycle Analysis | 3 cr | | | | | | ✓ |
| | 797 | Climate Change Adaptation Planning | 3 cr | | | | | | ✓ |

† PDE = Principal Design Elective, * Writing intensive course, § Advanced prerequisite