

## Computer Science and Entrepreneurship Major (Bachelor of Science)

**86-89 credits for major/128 credits for degree**

Requirements for students entering 2017-2018

NAME: \_\_\_\_\_

ADVISOR: \_\_\_\_\_

| <b>Discovery Foundation Courses</b>     |        |        |               |  |
|---|--------|--------|---------------|--|
| Description                             | Course | Source | Credits/Grade | Notes  |
| First Year Writing (WS)                 |        |        |               | Must be taken within first 32 credits  |
| Quantitative Reasoning (QR)             |        |        |               | Must be taken within first 32 credits; MATH 425 is required for the major  |
| Inquiry Requirement (INQ)               |        |        |               | Must be INQ 444 or INQ Attribute<br>Must be taken within first 25 credits  |
| <b>Discovery Courses</b>                |        |        |               |  |
| Description                             | Course | Source | Credits/Grade | Notes  |
| Biological Science (BS)                 |        |        |               | One of the two sciences (BS or PS) must include a lab  |
| Physical Science (PS)                   |        |        |               | PHYS 407 can be used to satisfy this category  |
| Environment, Technology & Society (ETS) |        |        |               | COMP 415 can be used to satisfy this category  |
| Historical Perspectives (HP)            |        |        |               |  |
| World Culture (WC)                      |        |        |               |  |
| Fine & Performing Arts (FPA)            |        |        |               |  |
| Social Science (SS)                     |        |        |               |  |
| Humanities (HUMA)                       |        |        |               | COMP 560 can be used to satisfy this category  |
| <b>Writing Intensive Requirements</b>   |        |        |               |  |
| Description                             | Course | Source | Credits/Grade | Notes  |
| ENGL 401: First Year Writing            |        |        |               | All undergraduates are required to complete 4 writing intensive (WI) courses, which must include ENGL 401 and three additional WI courses. |
| WI course in major                      |        |        |               |  |
| 600/700 WI course                       |        |        |               |  |
| Other WI course                         |        |        |               | All students must have a total of 4 WI courses!  |

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| <b>Mathematics and Science (16 credits)</b>           |        |               |   |
|---|--------|---------------|---|
| Description and Selection                             | Source | Credits/Grade | Notes   |
| COMP 490: Statistics in Computing and Engineering     |        |               |   |
| COMP 500: Discrete Structures                         |        |               |   |
| MATH 425: Calculus I                                  |        |               | May be used to satisfy QR Discovery requirement   |
| PHYS 407: General Physics I                           |        |               | May be use to satisfy PS Discovery requirement    |
| <b>Computing Core (32 credits)</b>                    |        |               |   |
| Description and Selection                             | Source | Credits/Grade | Notes   |
| COMP 415: Mobile Computing First and For Most         |        |               | May be used to satisfy ETS Discovery requirement  |
| COMP 425: Introduction to Programming                 |        |               |   |
| COMP 430: Systems Fundamentals                        |        |               |   |
| COMP 525: Data Structures Fundamentals                |        |               |   |
| COMP 530: Machine and Network Architecture            |        |               |   |
| COMP 560: Ethics and the Law in the Digital Age (WI)  |        |               | May be used to satisfy HUMA Discovery requirement |
| COMP 625: Data Structures and Algorithms              |        |               |   |
| COMP 698: Special Topics (Systems Software)           |        |               |   |
| <b>Project and Professional Practice (13 credits)</b> |        |               |   |
| Description and Selection                             | Source | Credits/Grade | Notes   |
| UMST 582: Internship/Career Planning Seminar          |        |               |   |
| COMP 590: Entrepreneurship Project                    |        |               |   |
| COMP 690: Internship Experience                       |        |               |   |
| COMP 790: Capstone Project                            |        |               |   |
| <b>Entrepreneurship Component (13-16 credits)</b>     |        |               |   |
| Description   | Source | Credits/Grade | Notes   |
| BUS 410: Introduction to Entrepreneurship             |        |               |   |
| BUS 453: Leadership for Managers                      |        |               |   |
| BUS 565: Selling and Sales Management                 |        |               |   |
| BUS 675: Special Topics in Business Administration    |        |               |   |

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| Computing Topics (12 credits minimum) |        |               |   |
|---------------------------------------|--------|---------------|---|
| Course Number and Title               | Source | Credits/Grade | Notes   |
|                                       |        |               | Select 3 courses in computing to broaden and advance student learning of computing innovations. |
|                                       |        |               |   |
|                                       |        |               |   |

### Program Notes:

- All students must have at least a 2.0 cumulative GPA in order to graduate.
- Senior Residency: students must complete their last 32 credits of the degree at UNH.
- Students may take any undergraduate courses as electives in order to earn a minimum of 128 credits.
- Courses applied to the major must be completed with a minimum grade of C-.
- Transfer students must complete at least 24 credits in the major at UNH.