

Concord University
Bachelor of Science in Computer Information Systems
Registrar's Office Official Document

Name: _____

120 hours minimum for graduation with a 2.00 average overall
 56 hours from a four-year institution

2019-2020 Catalog

| Course | Title | GR | QP |
|---|--|-----|-----------|
| Written and Oral Communications (9 credit hours) Select one course from BGEN 205 or COMM 101 | | | |
| ENGL 101 | Composition & Rhetoric I | 3 | |
| ENGL 102 | Composition & Rhetoric II | 3 | |
| | | 3 | |
| Literature and Humanities (6 credit hours) Select one (1) course from Literature and one (1) course from History and Philosophy. *May be repeated for 3 credit hours. | | | |
| | ENGL 203, 204, *224 or *225 | 3 | |
| | HIST 101, 102, 203, 204, PHIL 101, 308, 316, or 361 | 3 | |
| Fine Arts—(3 credit hours) Select one (1) course from the following: | | | |
| | ART 101, 103, 105, 106, 204, 205, 216, 303, 304, 308, MUS 101, *451, *453A, or THEA 102 | 3 | |
| Social and Behavioral Sciences (9 credit hours) Select one (1) course from three different categories. | | | |
| | Category 1 - Business and Professional Studies BGEN 105, ECON 203, ECON 204, FIN 200, RTM 100 or SOWK 161 | 3 | |
| | Category 2 - Geography GEOG 101, 255 or 321 | 3 | |
| | Category 3 - Political Science POSC 101, 104, or 202 | 3 | |
| | Category 4 - Psychology PSY 101 or 200 | | |
| | Category 5 - Sociology SOC 101, 201, or 301 | | |
| Natural Sciences (7-8 credit hours) Select one (1) course from two different categories. | | | |
| | Category 1-Biological Science BIOL 101, 102, 121, or 122 | 4 | |
| | Category 2-Earth & Space Science GEOL 101, GEOL 150, GEOG 200, PHSC 104, or PHYS 105 | 3-4 | |
| | Category 3-Physical Science CHEM 100, CHEM 101/111, PHSC 103, PHYS 101, or PHYS 201 | | |
| Mathematics (3 credit hours) Select one (1) Mathematics course numbered 100 or higher. | | | |
| MATH 105 | | 3 | See Major |
| Physical Wellness (2 credit hours) Select one or more courses listed below for a total of at least two hours. | | | |
| | H ED 120, 304, P ED 101M, 117, 118, or RTM 220 | 2-3 | |
| Modern/Classical Language – (Optional 6 credit hours) Select two courses within the same Modern/Classical Language for substitution purposes. | | | |
| | May not substitute Modern Language for ENGL 101, ENGL 102, the 3 hour Mathematics requirement or the 4-hour lab science requirement. | | |

| Computer Information Systems (2.00 GPA required) | | | |
|--|---|-----|--|
| CS 151 | Introduction to Computer Science | 3 | |
| CS 221 | Computer Networking | 3 | |
| CS 232 | Introduction to Computer Security | 3 | |
| CS 252 | Data Structures & Object Oriented Programming | 3 | |
| CS 253 | Software Engineering | 3 | |
| CS 272 | Human Centered Design | 3 | |
| CS 281 | Linux System Administration | 3 | |
| CS 282 | Database & Information Management | 3 | |
| CS 283 | Data Analytics | 3 | |
| CS 325 | Computer Organization & Hardware | 3 | |
| CS 351 | Web Development | 3 | |
| CS 381 | Systems Analysis & Design | 3 | |
| CS 456 | Systems Analysis and Design | 3,3 | |
| MATH 103* | College Algebra | 3 | |
| MATH 104* | College Trigonometry | 3 | |
| MATH 105 | Elementary Statistics | 3 | |
| MATH 219 | Discrete Mathematics | 3 | |
| MATH 253 | Calculus with Analytic Geometry I | 4 | |

*Math 103 and/or 104 may be waived for students establishing equivalent proficiency as defined by the Department of Mathematics.

Students must select ONE of the concentrations on the following page

Residence Credit

36 hours at Concord
 16 of last 32 hours at Concord
 Note: In some degree programs, this is prior to entering professional training.
 9 hours in Major, Teaching Field

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| Accounting and Control (18 credit hours) | | | | |
|---|----------------------------------|---|--|--|
| ACCT 205 | Principles of Accounting I | 3 | | |
| ACCT 206 | Principles of Accounting II | 3 | | |
| ACCT 318 | Cost Accounting | 3 | | |
| ACCT 415 | Accounting Information Systems | 3 | | |
| BGEN 222 | Business Productivity Software | 3 | | |
| FIN 311 | Principles of Managerial Finance | 3 | | |

| Web (18 credit hours) | | | | |
|------------------------------|-------------------------|---|--|--|
| ART 103 | Drawing I | 3 | | |
| ART 105 | Design I | 3 | | |
| ART 106 | Basic Computer Graphics | 3 | | |
| ART 202 | Design II | 3 | | |
| ART 223 | Typography | 3 | | |
| ART 361 | Web Design | 3 | | |

| Geospatial Science (18-20 credit hours) | | | | |
|--|--|---|--|--|
| GEOG 101 | Human Geography | 3 | | |
| GEOG 200 | Physical Geography | 3 | | |
| GEOG 311 | GIS and Cartography | 3 | | |
| GEOG 411 | GIS Design and Application | 3 | | |
| | Choose two (2) courses from: GEOG 210, GEOG 312, GEOG 339, GEOG 359, GEOG 379, or GEOG 412 | | | |

| Informational Technology (18 credit hours) | | | | |
|---|---|---|--|--|
| CS 332 | Network Security | 3 | | |
| CS 374 | Introduction to Simulation & Modeling | 3 | | |
| CS 384 | DevOps | 3 | | |
| | Choose three (3) courses from: BGEN 202, BGEN 222, BGEN 311, BGEN 335, CS 261, CS 331, CS 333, CS 352, CS 357, GEOG 311, GEOG 411 | | | |

| Management (18 credit hours) | | | | |
|-------------------------------------|--------------------------------|---|--|--|
| BGEN 202 | Decision Sciences I | 3 | | |
| BGEN 222 | Business Productivity Software | 3 | | |
| BGEN 311 | Management Information Systems | 3 | | |
| BGEN 335 | Decision Sciences II | 3 | | |
| MGT 305 | Principles of Management | 3 | | |
| MGT 441 | Operations Management | 3 | | |