

| Completed | Course Number | Credits | Course Name | Semester Usually Offered |
|---|------------------------------|------------|---|--------------------------|
| Charger Foundations | | | | |
| Choose one: | | | | |
| Area I: Freshman Composition 3-6 credits | | | | |
| <input type="checkbox"/> | EH 101 & EH 102 | 6 | College Writing, I & II* | FA/SP/SU |
| <input type="checkbox"/> | EH 103 | 3 | Accelerated College Writing* | SP |
| <input type="checkbox"/> | EH 105 | 3 | Honors English Seminar* | FA |
| Area II: Humanities and Fine Arts 12 credits | | | | |
| <input type="checkbox"/> | | 3 | Fine Art | FA/SP/SU |
| <input type="checkbox"/> | | 3 | Literature | FA/SP/SU |
| <input type="checkbox"/> | PHL 102 or 150 | 3 | Non-Literature Humanity - Ethics requirement can double count here | FA/SP/SU |
| <input type="checkbox"/> | | 3 | Humanities/Fine Arts/Literature | FA/SP/SU |
| Area III: Mathematics and Sciences 11-12 credits | | | | |
| Mathematics 4 credits | | | | |
| <input type="checkbox"/> | MA 171, 171S or MA 150 & 151 | 4 | Calculus I Calculus I with Foundations A & B | FA/SP/SU |
| Choose one sequence: | | | | |
| Natural Sciences (Lab) 8 credits | | | | |
| <input type="checkbox"/> | AES 103/103L & AES 104/104L | 4 4 | Environmental Earth Science + Lab Weather & Climate Change + Lab | FA/SP/SU |
| <input type="checkbox"/> | BYS 119/121 & BYS 120/122 | 3/1 3/1 | Principles of Biology + Lab Organismal Biology + Lab | FA/SP/SU |
| <input type="checkbox"/> | CH 121/125 & CH 123/126 | 3/1 3/1 | General Chemistry I + Lab General Chemistry II + Lab | FA/SP/SU |
| <input type="checkbox"/> | PH 111/114 & PH 112/115 | 3/1 3/1 | General Physics w/ Calculus I + Lab General Physics w/ Calculus II + Lab | FA/SP/SU |
| Area IV: History and Social & Behavioral Sciences 12 credits | | | | |
| <input type="checkbox"/> | | 3 | History | FA/SP/SU |
| <input type="checkbox"/> | | 3 | Social & Behavioral Science | FA/SP/SU |
| <input type="checkbox"/> | | 3 | Social & Behavioral Science | FA/SP/SU |
| <input type="checkbox"/> | | 3 | History or Social & Behavioral Science | FA/SP/SU |
| Area V: Pre-Professional | | | | |
| Additional Requirements 24 credits | | | | |
| <input type="checkbox"/> | FYE 101S | 1 | Charger Success - Science | FA |
| <input type="checkbox"/> | CS 104 | 3 | Intro to CS Using Python | FA/SP/SU |
| <input type="checkbox"/> | PHL 102 or 150 | 3 | Ethics Requirement | FA/SP/SU |
| <input type="checkbox"/> | EH 301 | 3 | Technical Writing | FA/SP/SU |
| <input type="checkbox"/> | MA 172 | 4 | Calculus II | FA/SP/SU |
| <input type="checkbox"/> | MA 201 | 4 | Calculus III | FA/SP/SU |
| <input type="checkbox"/> | MA 244 | 3 | Intro to Linear Algebra | FA/SP/SU |
| <input type="checkbox"/> | MA 385 | 3 | Intro to Probability & Statistics | FA/SP/SU |
| Major Requirements | | | | |
| Computer Science Core 30 credits | | | | |
| <input type="checkbox"/> | CS 121 | 3 | Computer Science I | FA/SP/SU |
| <input type="checkbox"/> | CS 214 | 3 | Intro to Discrete Structures | FA/SP/SU |
| <input type="checkbox"/> | CS 221 | 3 | Computer Science II: Data Structures | FA/SP/SU |
| <input type="checkbox"/> | CS 309/309L | 3 | Computer Org & Switching Theory + Lab | FA/SP |
| <input type="checkbox"/> | CS 317 | 3 | Intro Design/Analysis of Algorithms | FA/SP/SU |
| <input type="checkbox"/> | CS 321 | 3 | Intro Object-Oriented Prog Java | FA/SP |
| <input type="checkbox"/> | CS 413/413 | 3 | Intro to Digital Comp Architecture + Lab | FA/SP |
| <input type="checkbox"/> | CS 424 | 3 | Principles Programming Language | FA/SP/SU |
| <input type="checkbox"/> | CS 490 | 3 | Intro to Operating Systems | FA/SP |
| <input type="checkbox"/> | CS 499 | 3 | Sr Project: Team Software Design | FA/SP |
| Data Science Concentration Requirements 6 credits | | | | |
| <input type="checkbox"/> | CS 430 | 3 | Survey of Artificial Intelligence | FA/SP |
| <input type="checkbox"/> | CS 488 | 3 | Intro to Big Data Computing | FA/SP |
| Data Science Concentration Elective Requirements 9 credits | | | | |
| Choose any two 300+ or 400+ level CS courses and Choose one CS course from: Intro to Multimedia Systems (CS 443), Intro to Computer Graphics (CS 445), Intro to Cloud Computing (CS 454), Modeling & Simulation I (CS 481), Modeling & Simulation II (CS 482), or Database Systems (CS 487) | | | | |
| <input type="checkbox"/> | | 3 | | FA/SP |
| <input type="checkbox"/> | | 3 | | FA/SP |
| <input type="checkbox"/> | | 3 | | FA/SP |
| General Electives | | | | |
| Elective courses can be taken from any department and do not have to be taken in your major or minor. Only 4 HPE credits can apply. | | | | |
| Total = 120+ credits to graduate | | | | |
| 36 of the 120 credits must be taken at 300-level or higher. All prerequisite classes must be completed with a "C-" or higher grade. | | | | |

Charger Foundations Choices

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|---|---|--|---|
| Freshman Composition | Choose 1 | College Writing, I & II (EH 101 + EH 102) Honors English Seminar (EH 105; equivalent to EH 101 & EH 102) Accelerated College Writing (EH 103; equivalent to EH 101 & EH 102) | |
| Fine Arts | Choose 1 | Ancient to Medieval Art (ARH 100) Renaissance to Modern Art (ARH 101) World Art (ARH 103) Introduction to Drawing (ARS 160) Intro to Film Studies (FMA 123) Intro to Music Literature (MU 100) Theatre Appreciation (TH 122) | |
| Literature | Choose 1 | Readings Literature/Culture I (EH 207) Readings Literature/Culture II (EH 208) Literature Without Borders (EH 241) Mythology (EH 242) | Protest Literature (EH 243) Heroes &/or Monsters (EH 244) Love &/or Romance (EH 245) Speculative Realities (EH 246) |
| Humanities (Non-Literature) | Choose 2 one must be Ethics requirement | Ancient to Medieval Art (ARH 100) Renaissance to Modern Art (ARH 101) World Art (ARH 103) Introduction to Drawing (ARS 160) Ancient & Medieval Worlds (AMS 229) Public Speaking (CM 113) Intro to Film Studies (FMA 123) Intro to Music Literature (MU 100) | Intro to Philosophy (PHL 101) Intro to Ethics (PHL 102) Intro to Logic (PHL 103) Science, Tech & Human Values (PHL 150) Theatre Appreciation (TH 122) Intro to Women's Studies (WGS 200) Foreign Language (WLC 101) International Cinema (WLC 204) |
| Mathematics | Choose 1 | Calculus I (MA 171, 171S) or Calculus I with Foundations A & B (MA 150 & MA 151) | |
| Natural Sciences (Lab) Sequence | Choose one 2-course sequence | Environmental Earth Science (AES 103/103L) and Weather & Climate Change (AES 104/104L) Principles of Biology (BYS 119/121) and Organismal Biology (BYS 120/122) General Chemistry I (CH 121/125) and General Chemistry II (CH 123/126) General Physics w/ Calculus I (PH 111/114) and General Physics w/ Calculus II (PH 112/115) | |
| History | Choose 1 or 2 | World History I (HY 103) World History II (HY 104) | United States to 1877 (HY 221) United States Since 1877 (HY 222) |
| Social & Behavioral Sciences | Choose 2 or 3 | World Geography (AES 105) Human Geography (AES 110) Global systems & Cultures (GS 200) Macroeconomics (ECN 142) Microeconomics (ECN 143) American Gov't (PSC 101) | Politics & Foreign Govt (PSC 102) International Relations (PSC 260) General Psychology (PY 101) Life Span Development (PY 201) Intro to Sociology (SOC 100) Intro to Criminology (SOC 103) |
| Students must take one literature and one history course. Students must also take <u>either</u> a second literature <u>or</u> history course to complete a sequence. | | | |
| | Take a 2 nd Literature AND History or Social & Behavioral Science | | |
| | Take a 2 nd History AND Fine Arts or Non-Literature Humanities or Literature Humanities | | |