

Completed	Course Number	Credits	Course Name	Prerequisites, Corequisites and/or Prerequisites with Concurrency*	Semester Usually Offered
Charger Foundations					
Area I: Freshman Composition 3-6 credits - see attached for more options					
<input type="checkbox"/>	EH 101	3	College Writing I	Placement*	FA/SP/SU
<input type="checkbox"/>	EH 102	3	College Writing II	EH 101 or EH 101S	FA/SP/SU
<input type="checkbox"/>	EH 103	3	Accelerated College Writing	Placement*	SP
<input type="checkbox"/>	EH 105	3	Honors English Seminar	Honors	FA
Area II: Humanities and Fine Arts 12 credits					
<input type="checkbox"/>		3	Fine Art	See attached for choices	
<input type="checkbox"/>		3	Literature	Completion of Area I	
<input type="checkbox"/>	*	3	Non-Literature Humanity - Ethics requirement	See attached for choices	
<input type="checkbox"/>	*	3	Humanities/Fine Arts/Literature	See attached for choices	
Area III: Mathematics and Sciences 11-12 credits					
Mathematics 4 credits					
<input type="checkbox"/>	MA 171	4	Calculus A	Placement* or MA 113 or MA 115	FA/SP/SU
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	Placement* or CH 101, prereq w/ conc: MA 113+ CH 121	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	MA 171 MA 172, PH 111/114	FA/SP/SU
Area IV: History and Social & Behavioral Sciences 12 credits					
<input type="checkbox"/>		3	History	See attached for choices	
<input type="checkbox"/>		3	Social & Behavioral Science	See attached for choices	
<input type="checkbox"/>		3	Social & Behavioral Science	See attached for choices	
<input type="checkbox"/>	*	3	History/Social & Behavioral Science	See attached for choices	
Area V: Pre-Professional					
For Computer Science Majors 21 credits					
<input type="checkbox"/>	FYE 101S	1	Charger Success - Science	REQUIRED	FA
<input type="checkbox"/>		3	Intro to Computer Programming	See attached for choices	
<input type="checkbox"/>	EH 301	3	Technical Writing	Junior standing (60+ hours), EH 102/103/105	FA/SP/SU
<input type="checkbox"/>	MA 172	4	Calculus B	MA 171	FA/SP/SU
<input type="checkbox"/>	MA 201	4	Calculus C	MA 172	FA/SP/SU
<input type="checkbox"/>	MA 244	3	Intro to Linear Algebra	MA 120 or MA 172	FA/SP/SU
<input type="checkbox"/>	MA 385	3	Intro to Probability & Statistics	MA 201	FA/SP/SU
Major Requirements					
Computer Science Core 30 credits					
<input type="checkbox"/>	CS 121	3	Computer Science I	CS 102/103/104, prereq w/ conc: MA 113+	FA/SP SU
<input type="checkbox"/>	CS 214	3	Intro to Discrete Structures	MA 171, (CS 121 or CPE 211)	FA/SP SU
<input type="checkbox"/>	CS 221	3	Computer Science II: Data Structures	CS 121, MA 113 or 115, prereq w/ conc: MA 171	FA/SP SU
<input type="checkbox"/>	CS 309/309L	3	Computer Org & Switching Theory + Lab	CS 214	FA/SP SU
<input type="checkbox"/>	CS 317	3	Intro Design/Analysis of Alg	MA 171, 244, CS 214, (CS 221 or CPE 212)	FA/SP SU
<input type="checkbox"/>	CS 321	3	Intro Object-Oriented Prog Java	CS 221	FA/SP SU
<input type="checkbox"/>	CS 413/413	3	Intro to Digital Comp Architecture + Lab	CS 309	FA/SP
<input type="checkbox"/>	CS 424	3	Principles Programming Language	CS 317	FA/SP/SU
<input type="checkbox"/>	CS 490	3	Intro to Operating Systems	CS 413	FA/SP
<input type="checkbox"/>	CS 499	3	Sr Project: Team Software Design	CS 317	FA/SP
Entertainment Computing Concentration Requirements 12 credits					
<input type="checkbox"/>	CS 143	3	Intro to Technologies, Multimedia, & Gaming		
<input type="checkbox"/>	CS 330	3	Artificial Intelligence & Game Development	CS 221	
<input type="checkbox"/>	CS 347	3	Intro to Video Game Design & Programming	CS 221	
<input type="checkbox"/>	CS 445	3	Intro to Computer Graphics	CS 221, MA 244 or CS 217	
Data Science Concentration Elective Requirements 9credits					
<input type="checkbox"/>		3	Dramatic Media Elements	See attached for choices	
Choose two:					
<input type="checkbox"/>	CS 371	3	Mobile Computing Appl Inct & Design	CS 221 or CPE 212	
<input type="checkbox"/>	CS 443	3	Intro to Multimedia Systems	CS 317	
<input type="checkbox"/>	CS 446	3	Advanced Computer Graphics	CS 445, junior or senior standing	
<input type="checkbox"/>	CS 447	3	Game Engines & Level Development	CS 330 and 445	
General Electives					
Elective courses can be taken from any department and do not have to be taken in your major or minor.					
Total = 120+ credits to graduate					
36 of the 120 credits must be taken at 300-level or higher.					

Charger Foundations Choices		
I. Freshman Composition	Choose 1	College Writing I & II (EH 101 + 102) Intensive Writing & Studio & Freshman Comp II (EH 101S + 101L & EH 102) Honors English Seminar (EH 105; equivalent to EH 101 & EH 102) Accelerated College Writing (EH 103; equivalent to EH 101 & EH 102)
II. 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)
II. Humanities (Literature)	Choose 1	Readings Literature/Culture I (EH 207) Readings Literature/Culture II (EH 208) Honors Literature/Culture I (EH 209) Honors Literature/Culture II (EH 210) 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)
II. Humanities (Non-Literature)	Choose 1	Intro to Ethics (PHL 102) Science, Tech & Human Values (PHL 150)
III. Mathematics	→	Calculus A (MA 171)
III. 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)
IV. History	Choose 1	World History I (HY 103) World History II (HY 104) United States to 1877 (HY 221) United States Since 1877 (HY 222)
IV. Social & Behavioral Sciences	Choose 2	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) Analysis of Social Problems (SOC 102) Intro to Criminology (SOC 103)
Students must take one literature and one history course. Students must also take either a second literature or history course to complete a sequence.		
Area II Sequence	Take a 2 nd Literature AND History or Social & Behavioral Science	
OR		
Area IV Sequence	Take a 2 nd History AND Fine Arts or Non-Literature Humanities or Literature Humanities	
Area V. Choices		
Intro to Computer Programming	Choose 1	Intro to C Programming (CS 102) Intro to Programming Using Java (CS 103) Intro to Computer Science Using Python (CS 104)
Major Choices		
Dramatic Media Elements	Choose 1	Animation: Introduction (ARS 220) Graphic Design: Introduction (ARS 230) Photography: Introduction (ARS 250) Animation: Organic Modeling (ARS 321) Animation: 3D Animation (ARS 322) Animation: Technical Arts (ARS 324) Animation: Visual Story Development (ARS 327) Animation: Concept Art (ARS 328) Graphic Design: Web User Experience I (ARS 334) Photo: Digital I (ARS 350) Photo: Documentary (ARS 355) Multimedia I (ARS 393) Music Technology IV (MU 306) Special Topics in Comm Arts (CM 340) Fiction Writing (EH 410) Elements of Theatre Production (TH 225)