

Sem	Grade	Course #	Credits	Course	Prerequisites	Semester offered
Charger Foundation (CF) Requirements 42 credits						
Area I College Writing 6 credits see back for more options						
		EH 101	3	College Writing I	Placement	FA/SP/SU
		EH 102	3	College Writing II	EH 101 or EH 101S, grade of C or higher	FA/SP/SU
<input type="checkbox"/> *Seq in HY or LIT required						
Area II Fine Art and Humanities 12 credits						
			3	Fine Art	See Back for Choices	FA/SP/SU
			3	Literature	Completion of Area I	FA/SP/SU
		CM 113	3	Public Speaking	REQUIRED (use as non-literature hum.)	FA/SP/SU
		*	3	Humanities/Fine Arts/Lit	See Back for Choices	FA/SP/SU
Area III Math & Natural Science 12 credits						
		MA 171	4	Calculus A	MA 113, MA 115 or Level 3 placement	FA/SP/SU
Choose one sequence:						
Lab Science 8 credits						
		BYS 119	4	Principles of Biology + lab		FA/SP/SU
		BYS 120	4	Organismal Biology + lab	BYS 119 D-	FA/SP/SU
		PH 111/114	3/1	Physics w/ Calculus I + lab	MA 171	FA/SP/SU
		PH 112/115	3/1	Physics w/ Calculus II + lab	PH 111/114 C-, MA 172	FA/SP/SU
		CH 121/125	3/1	Gen Chemistry I + lab	MA 112 C- or MA 113, 115, 120, 171 w/ conc.	FA/SP/SU
		CH 123/126	3/1	Gen Chemistry II + lab	CH 121/125 C-	FA/SP/SU
<input type="checkbox"/> *Seq in HY or LIT required						
Area IV History and Social Behavioral Science 12 credits						
			3	History	See Back for Choices	FA/SP/SU
			3	Social & Behavioral Science		FA/SP/SU
			3	Social & Behavioral Science		FA/SP/SU
		*	3	History/Soc & Beh Science		FA/SP/SU
Area V College of Science (COS) Requirement (in addition to those above) 24 credits						
			3	Intro Computer Science	See Back for Choices	FA/SP/SU
		EH 301	3	Technical Writing	EH 101, EH 102, & JR Standing (61+ hrs)	FA/SP/SU
			4	Additional (3 rd) Lab science	See Back for Choices	FA/SP/SU
		MA 172	4	Calculus B	MA 171 C-	FA/SP/SU
		MA 201	4	Calculus C	MA 172 C-	FA/SP/SU
		MA 244	3	Intro to Linear Algebra	MA 172 C-	FA/SP/SU
		MA 385	3	Intro to Probability & Statistics	MA 201 C-	FA/SP/SU
<i>Note: to add a math minor, take one additional MA 3XX or 4XX course. This course will also fulfill the Technical Elective in the CS major.</i>						
Computer Science (CS) Major Requirements 34 credits						
		CS 105	1	Computer Science Ethics		FA/SP
		CS 121	3	Computer Science I	(CS 102, 103, or 104) + MA 113 w/ Conc.	FA/SP/SU
		CS 214	3	Introduction to Discrete Structures	CS 121, MA 171	FA/SP/SU
		CS 221	3	Computer Sci II: Data Structures	CS 121, MA 113, Prereq w/ Con: MA 171	FA/SP/SU
		CS 309/ 309L	3	Switching Theory	CS 121, Prereq w/ Con: CS 214	FA/SP
		CS 317	3	Intro to Design & Anal of Alg	MA 244, CS 214, CS 221	FA/SP/SU
		CS 321	3	Intro Object-Oriented Prog Java	CS 221	FA/SP
		CS 413/413L	3	Intro to Digital Computer Design	CS 308 + CS 309/309L	FA/SP
		CS 424	3	Programming Languages	CS 317	FA/SP
		CS 490	3	Intro to Operating Systems	CS 413/413L	FA/SP
		CS 499	3	SR Proj: Team Software Design	CS 317	FA/SP
			3	Technical Elective	See back for choices	FA/SP/SU
Entertainment Computing (ENCP) Concentration Courses 15 credits						
		CS 143	3	Intro Tech Multimedia & Gaming		FA
Choose 1		CS 330	3	AI & Game Design	CS 143 and CS 221	SP
		CS 347		Intro Video Game Des & Prog	CS 221	FA
		CS 371	3	Mobile Computing Apps	CS 221	FA
		CS 445	3	Intro to Computer Graphics	CS 221 or CS 217 and MA 244	FA/SP
Choose 1		CS 443	3	Intro to Multimedia Systems	CS 317	SP
		CS 446		Advanced Computer Graphics	CS 445	FA
		CS 447		Game Engines & Level Dvlpmnt.	CS 330 or CS 347 and CS 445	SP
Dramatic Media Elements courses 6 cr. (3 cr. each, Choose 2): ARS 230, ARS 250, ARS 321, ARS 322, ARS 324, ARS 350, ARS 355, ARS 334, ARS 393, MU 106, MU 306, CM 340, EH 410, or TH 255						

Elective Courses 7 credits

Elective courses do not have to be in your major or minor. No more than 4 HPE activity (HPE 100-199) credits count for elective courses.

Total (CF + COS + CS + electives) = 128 credits to graduate. 39 of the 128 credits must be taken @ 300 level or higher.

Unless otherwise noted a C- or better is required for all College of Science prerequisites.

Computer Science (CS) Major, Entertainment Computing (ENCP) concentration Charger (CF) Foundations and College of Science (COS) Requirements

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CF Requirements		Choices to fulfill the requirements
College Writing I & II (Requires C- or better)	Choose 1 option →	<ul style="list-style-type: none"> 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)
Fine Arts	Choose 1 →	<ul style="list-style-type: none"> Ancient to Medieval Art (ARH 100) Renaissance to Modern Art (ARH 101) Non-Western Art (ARH 103) Theater Appreciation (TH 122) Introduction to Drawing (ARS 160) Intro to Music Literature (MU 100)
Literature	Choose 1 →	<ul style="list-style-type: none"> Readings Literature/Culture I (EH 207) Readings Literature/Culture II (EH 208) Mythology (EH 242) Honors Literature I (EH 209) Honors Literature II (EH 210)
Speech	Required →	Public Speaking (CM 113) Required course for Science Majors – use as the non-literature Humanities
Humanities/ Fine Art/ 2nd Literature	Choose 1 →	<ul style="list-style-type: none"> AMS 229 Ancient & Medieval Worlds Intro to Philosophy (PHL 101) Intro to Ethics (PHL 102) Science, Tech & Human Values (PHL 150) Intro to Logic (PHL 201) Intro to Film Studies (FMA 123) Foreign Language (WLC 101) International Cinema (WLC 204) Intro to Women's Studies (WS 200) See above for Lit & Fine Art Courses
Math	→	Calculus A (MA 171)
Natural Lab Science Sequence	Choose 1 →	<ul style="list-style-type: none"> Biology I & II (BYS 119/119L/119R + BYS 120/120L/120R) Physics w/ Calculus I & II (PH 111/114 + PH 112/115) General Chemistry I & II (CH 121/125 + CH 123/126)
History	Choose 1 →	<ul style="list-style-type: none"> World History I (HY 103) US History I (HY 221) World History II (HY 104) US History II (HY 222)
Social & Behavioral Sciences	Choose 2 →	<ul style="list-style-type: none"> Macroeconomics (ECN 142) Microeconomics (ECN 143) American Govt (PSC 101) Politics & Foreign Govt (PSC 102) International Relations (PSC 260) World Geography (ESS 105) Human Geography (ESS 110) Global systems & cultures (GS 200) Intro to Sociology (SOC 100) Analysis of Social Problems (SOC 102) Intro to Criminology (SOC 103) Intro to Anthropology (SOC 105) Sociological Perspective on Tech and Science (SOC 150) General Psychology I (PY 101) Life Span Development (PY 201)
History OR Social Behavioral Science	Choose 1 →	Take either 2 nd History Course OR 3 rd Social & Behavioral Science (no more than 6 hrs in a discipline)
History or Literature Sequence	Check for one	History: (HY 103 + HY 104) or (HY 221 + HY 222) OR Literature: Any Part I (EH 207, 242, or Honors EH 209) + Any Part II (EH 208 or honors EH 210)
COS Requirements		Choices to fulfill the requirements
Additional Science or Engineering	Choose 1 →	<ul style="list-style-type: none"> Biology (BYS 119) see above Chemistry (CH 121/125) Physics (PH 111/114, PH 112/115, or PH 113/116) Astronomy (AST 106 or 107) Atmospheric & Earth Science (ESS 103 or 111)
Computer Science	→	<ul style="list-style-type: none"> Intro to C Prog. (CS 102) Intro Prog. Using Java (CS 103) Intro to CS Using Python (CS 104)
Technical Writing	→	Technical Writing (EH 301) <i>Junior standing (61 hours) required to take this course</i>
Technical elective	→	Any 3XX or 4XX College of Science course, CPE 412 or 436, PHL 317 or 320, IS 422, 460, 463, 471, or 472. <i>The final MA 3XX or 4XX course in the math minor may also count here.</i>