



Degree Planner Catalog Year: 2025 – 2026	Total:	120
Name:	ID #:	
Major 1:	Minor 1:	
Major 2:	Minor 2:	

Bachelor of Science in Software Engineering (120 hours)

Fall	First Year	Cr Hrs	Pre-reqs
CS103	Programming for everyone I	3	
CS101	Introduction to Computer Science	3	
MATH135	Calculus and Analytical Geometry I	4	
CCC100	Introduction to College Writing	3	MATH115*
GCONXXX	Great Conversation	3	

*or Mathematics Placement Policy

Spring	First Year	Cr Hrs	Pre-reqs
CS104	Programming for everyone II	3	CS103
CS110	Web Development	3	CS103
MATH205	Calculus and Analytical Geometry II	4	MATH135
CCC102	Public Speaking	3	
GCONXXX	Great Conversation	3	

Fall	Second Year	Cr Hrs	Pre-reqs
CS242	Data Structures	3	CS104
CS323	Computer Organization & Arch.	4	CS104
CS203	Introduction to C	3	CS104
PHYS101	Introductory Physics I	3	MATH115
PHYS103	Introductory Physics Laboratory I	1	PHYS101
GCONXXX	Great Conversation	3	

Spring	Second Year	Cr Hrs	Pre-reqs
CS341	Algorithms Analysis and Design	3	CS242
CS380	Database Design	3	CS242
MATH216	Discrete Mathematics	3	MATH205
PHYS102	Introductory Physics II	3	PHYS101
PHYS104	Introductory Physics Laboratory II	1	PHYS102
GCONXXX	Great Conversation	3	

Fall	Third Year	Cr Hrs	Pre-reqs
CS325	Operating Systems	3	CS341
CS326	Computer Networks	3	CS341
CS405	Object-Oriented Design	3	CS341
MATH303	Linear Algebra & Matrices	3	MATH216
Xxxx	WID (Writing in the Discipline)	3	

Spring	Third Year	Cr Hrs	Pre-reqs
CS351	Software Design	3	CS104 CS203
CS352	Software Construction	3	CS104 CS203
MATH305	Differential Equations	3	MATH205
GCONXXX	Great Conversation	3	
CSxxx	Elective Course	3	

Fall	Fourth Year	Cr Hrs	Pre-reqs
CS452	Software Engineering	3	CS405
CS493	Capstone Project I	3	SE351
MATH304	Theory of Probability	3	MATH205
CSxxx	Elective Course	3	

Spring	Fourth Year	Cr Hrs	Pre-reqs
CS454	Software Quality Assurance	3	SE351
CS494	Capstone Project II	3	SE491
MATH324	Numerical Analysis	3	MATH205
CSxxx	Elective Course	3	

Program Details:**Faculty:****Contact Information:**Department Chair: cs@adrian.edu