



Degree Planner <b>(Catalog Year: 2024 – 2025)</b>	Total:	124
Name:	ID #:	
Major 1:	Minor 1:	
Major 2:	Minor 2:	

## *Bachelor of Science in Computer Engineering*

Fall	First Year	Cr Hrs	Pre-reqs
CS103	Programming for everyone I	3	
CE101	Introduction to Digital Systems	3	
MATH135	Calculus and Analytical Geometry I	4	MATH115 *
CCC100	Introduction to College Writing	3	
MLCX101	Language Requirement I	4	

Spring	First Year	Cr Hrs	Pre-reqs
CS104	Programming for everyone II	3	CS103
MATH205	Calculus and Analytical Geometry II	4	MATH135
CCC101	College Writing and Inquiry	3	
MLCX102	Language Requirement II	4	
ESAT100	Fitness / Wellness	2	

\*or Mathematics Placement Policy

Fall	Second Year	Cr Hrs	Pre-reqs
CS242	Data Structures	3	CS104
CS323	Comp Organization & Arch.	4	CS104
CE220	Electric Circuits	3	
MATH324	Numerical Analysis	3	
PHYS201	Mechanics	3	
PHYS203	Mechanics Lab	1	

Spring	Second Year	Cr Hrs	Pre-reqs
CS341	Algorithms Analysis and Design	3	CS242
MATH216	Discrete Mathematics	3	
PHYS202	Thermodynamics and Electromagnetism	3	
PHYS204	Thermodynamics and Electromagnetism Lab	1	
XXXX	Distribution Req. Phil /Rel	3	
XXXX	Cross Cultural Studies	3	

Fall	Third Year	Cr Hrs	Pre-reqs
CE370	Signals and Systems	3	MATH205
CS326	Computer Networks	3	CS341
CS405	Object-Oriented Design	3	CS341
MATH303	Linear Algebra & Matrices	3	
CCC102	Public Speaking	3	

Spring	Third Year	Cr Hrs	Pre-reqs
CE322	Embedded Systems	3	CS104 or CS203
CS325	Operating Systems	3	CS341
MATH305	Differential Equations	3	
XXXX	Distribution Req. Social Sci	3	
XXXX	Distribution Req. Arts	3	

Fall	Fourth Year	Cr Hrs	Pre-reqs
CE324	Computer Systems Programming	3	CS325
CE470	Automatic Control	3	MATH303
CE491	Senior Design I	3	CE322
CS452	Software Engineering	3	CS405
MATH304 or MATH215	Theory of Probability or Calculus and Analytical Geometry III	3 or 4	

Spring	Fourth Year	Cr Hrs	Pre-reqs
CE492	Senior Design II	3	CE491
CE420	Real-time Systems	3	CE322
CE4xx	CE Elective	3	
CE4xx	CE Elective	3	
XXXX	Distribution Req. Humanities	3	

**NOTES:**

- This four-year plan is just a guide and students are responsible for fulfilling all the degree requirements per the Adrian College catalog.
- It is the responsibility of the student to make sure that s/he has completed all the requirements for the **Bachelor of Science in Computer Engineering** at Adrian College.
- The sequence of mathematics courses may change if a student started with a lower math course.
- Note that classes may be taken in a different order; however, some courses may have prerequisites or must be taken in a specific sequence.
- Always consult with your academic advisor to guide you in preparing your 4-year study plan