Computer Science, B.S. - Information & Data Management FOR CATALOG YEAR 2021-2022

University of Maine at PRESQUE ISLE
North of Ordinary

Finish in FOUR

At the University of Maine at Presque Isle, our goal is to ensure you can Finish in Four. In addition to a wide range of academic and student support efforts, we've set up this pathway, or map, for you; if you follow this recommended sequence, you will complete your Bachelor's degree in four years. Together, we can help you Finish in Four and turn your degree into a great career.

Please note that this is a scheduling aid, not a guarantee of specific course offerings each semester. Course availability varies depending on the date of enrollment, so please be sure to consult the appropriate catalog for official degree/program requirements and seek guidance regularly from your faculty and professional academic advisors.

www.umpi.edu/academics/computer-science

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FIRST YEAR FALL SEMESTER			
MAT 131	Calculus*	4 credits	❑
ENG 101	Introduction to College Composition*	3 credits	❑
UNV 100	First Year Seminar	2 credits	❑
COS 101	Introduction to Computer Science	3 credits	❑
GEC	General Education Course	3 credits	❑

SEMESTER TOTAL 15 CREDITS

FIRST YEAR SPRING SEMESTER			
ENG 121	College Composition II*	3 credits	❑
BIO 112	General Biology*	4 credits	❑
COS 110	Programming Fundamentals	3 credits	❑
COS 240	Network Concepts	3 credits	❑
GEC	General Education Course	3 credits	❑

SEMESTER TOTAL 16 CREDITS

2

SECOND YEAR FALL SEMESTER			
MAT 201	Probability and Statistics*	3 credits	❑
COS 350	Databases and Database Security	3 credits	❑
COS 120	Introduction to Data Structures	3 credits	❑
COS 240	Network Concepts	3 credits	❑
GEC	General Education Course	3 credits	❑

SEMESTER TOTAL 15 CREDITS

SECOND YEAR SPRING SEMESTER			
MAT 274	Linear Algebra	3 credits	❑
COS 320	Software Engineering	3 credits	❑
COS 330	Object-Oriented Programming	3 credits	❑
MAT 253	Discrete Mathematics	3 credits	❑
MAT 202	Probability and Statistics II*	3 credits	❑

SEMESTER TOTAL 15 CREDITS

3

THIRD YEAR FALL SEMESTER			
COS 310	Operating Systems	3 credits	❑
COS 235	Architecture and Organization	3 credits	❑
COS 255	Data Analytics	3 credits	❑
GEC	General Education Course	3 credits	❑
GEC	General Education Course	3 credits	❑

SEMESTER TOTAL 15 CREDITS

THIRD YEAR SPRING SEMESTER			
COS 250	Management and Enterprise Data	3 credits	❑
ENV 308	GIS I Fundamentals of GIS	4 credits	❑
COS 220	Programming Languages	3 credits	❑
GEC	General Education Course	3 credits	❑

SEMESTER TOTAL 13 CREDITS

4

FOURTH YEAR FALL SEMESTER			
COS 360	Management of Agriculture & Natural Resource Data	3 credits	❑
COS 355	Bioinformatics	3 credits	❑
COS 230	Algorithm Theory and Development	3 credits	❑
COS 305	Computational Science	3 credits	❑
GEL XXX	General Elective	3 credits	❑

SEMESTER TOTAL 15 CREDITS

FOURTH YEAR SPRING SEMESTER			
COS 495	Computer Science Internship	3 credits	❑
COS 315	Parallel and Distributed Computing	3 credits	❑
GEL XXX	General Elective	3 credits	❑
GEC XXX	General Education Course	3 credits	❑
GEC XXX	General Education Course	3 credits	❑

SEMESTER TOTAL 15 CREDITS

Total Minimum Credits Required for Degree: **120 credits**

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*Meets General Education Curriculum requirement

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