

Bachelor of Science - Computer Science

Course	Course Title	COMPB1	COMPB2	COMPB3	COMPB4	ILO1	ILO2	ILO3	ILO4	ILO5
COMP 111	Intro to Comp Science & Object-Oriented Programming	X					X			X
COMP 121	Object-Oriented Data Structures & Algorithms I	X			X		X			X
COMP 201	Principles of Computer Organization	X					X			X
COMP 204	Principles of Computer Networks	X					X			X
COMP 215	Programming Language: Principles & Practice	X					X			X
COMP 323	Fundamentals of Operating Systems	X					X			X
COMP 281	Database Management Systems	X					X			X
COMP 294	Computer Science Practicum I	X	X	X		X	X			X
COMP 311	Object-Oriented Data Structures & Algorithms II	X	X		X		X			X
COMP 321	Application Server Programming	X	X				X			X
COMP 325	Human-Computer Interaction	X	X				X			X
COMP 394	Computer Science Practicum II	X	X	X		X	X			X
COMP 461	Enterprise Software Architecture	X	X				X			X
COMP 486	Object-Oriented Analysis & Design	X	X				X			X
COMP 495	Computer Science Practicum III/Capstone	X	X	X		X	X			X
MIS 310	Info Systems Architecture & Technology	X	X				X			X
ISEC 200	Cyber Security Fundamentals	X					X			X
MATH 320	Discrete Mathematics				X		X			X

Institution Learning Outcomes

- ILO1 Communication: Communicate professionally using a variety of modalities (written, spoken, and technological).
- ILO2 Critical Thinking: Analyze and evaluate information to make reasoned arguments and solve problems.
- ILO3 Civic & Global Engagement: Integrate knowledge and skills to engage with and respond to social, environmental, and economic challenges at local, national, and global levels.
- ILO4 Ethics: Analyze and evaluate complex issues and situations to make informed ethical decisions.
- ILO5 Disciplinary Expertise

Program Learning Outcomes

- COMPB1 Be able to develop and implement effective solutions to real world problems
- COMPB2 Demonstrate the knowledge and skills required to contribute to the development and maintenance of large-scale software applications within an organizational structure
- COMPB3 Be able to communicate appropriately for technical and expert audiences
- COMPB4 Apply mathematical models and methods in problem solving