

Bachelor of Science - Computer Science

Course	Course Title	COMPB1	COMPB2	COMPB3	COMPB4	COMPB5	ILO1	ILO2	ILO3	ILO4	ILO5
COMP 111	Intro to Comp Science & Object-Oriented Programming		x		x		x				x
COMP 121	Object-Oriented Data Structures & Algorithms I	x	x		x		x				x
COMP 201	Principles of Computer Organization		x				x				x
COMP 204	Principles of Computer Networks	x	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				x
COMP 294	Computer Science Practicum I	x	x	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 394	Computer Science Practicum II	x	x	x	x	x	x	x			x
COMP 495	Computer Science Practicum III/Capstone	x	x	x	x	x	x	x	x	x	x
ISEC 200	Cyber Security Fundamentals	x		x	x		x	x	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 Analyze a complex computing problem and to apply principles of computing to identify solutions.
- COMPB2 Design, implement, and evaluate a computing-based solution to meet a given set of requirements in the context of the program's discipline.
- COMPB3 Communicate effectively in a variety of professional contexts.
- COMPB4 Recognize professional responsibilities and make informed judgments in computing practice based on ethical principles.
- COMPB5 Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.