

Bachelor of Computer Science (BCMS)

Last Modified: May 2025

Course Code	Course Name	Offering Semester
First Semester		
OPS106	Introduction to Unix	Fall, Winter
IPS105	Introduction to Inclusive Problem Solving	Fall, Winter
PRG101	Introduction to Computer Programming	Fall, Winter
DBS101	Introduction to DBMS	Fall, Winter
MTH130	Math Foundations	Fall, Winter

Second Semester		
MTH230	Discrete Mathematics & Logic	Winter, Summer
NTF201	Networking Fundamentals	Winter, Summer
PRG210	Object Oriented Programming	Winter, Summer
SYS210	System Analysis	Winter, Summer
ENG106	Writing Strategies	Winter, Summer

Third Semester		
MTH330	Calculus	Fall
SYS310	System Design & Architecture	Fall
DSA301	Data Structures & Algorithms	Fall
BTI225	Web Programming Principles	Fall
ISL301	Building Inclusive Solutions	Fall

Fourth Semester		
BTI325	Web Programming Tools & Frameworks	Winter
SEC401	Introduction to Security	Winter
CAO401	Computer Architecture & Organization	Winter
UDI401	User Interface Design	Winter
BTC440	Business & Technical Writing	Winter
LSOxxx	Liberal Studies Option	Winter

Fifth Semester		
REA501	Research Methodologies	Fall
SEC501	Software Security	Fall
ISL501	Accessible Interfaces	Fall
STA501	Applied Statistics	Fall
WTP200	Work term Preparation	Fall
LSOxxx	Liberal Studies Option	Fall

Work Term [BCS771]		
Sixth Semester		
CLO601	Cloud Computing for Programmers	Summer
ETH601	Law & Ethics	Summer
CPT601	Capstone Project	Summer
DPI601	Degree Professional Option [Linear Algebra]	Summer
LSOxxx	Liberal Studies Option	Summer

Pre-Req
N\A
N\A
N\A
N\A
N\A

MTH130, IPS105
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PRG101, IPS105
DBS101, IPS105
N\A

MTH230
SYS210, NTF201
PRG210
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ENG106
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BTC440 ,BTI325
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SEC501
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SEC501 ,ISL501
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