Computer Science (BCMS) Curriculum

Program Entry Date: September 2024

Year

1
F

| MTH130 Math Foundations | PRG101 Intro to Computer Programming | PBS101 Intro to Problem Solving | DBS101 Intro to DBMS | OPS106 Intro to UNIX | DEI101 Intro to DEIA |

W

| MTH230 Discrete Mathematics & Logic | PRG210 Object Oriented Programming | | SYS210 System Analysis | NTF201 Networking Fundamentals | ENG106 Writing strategies |

2
F

| MTH330 Calculus | DSA301 Data Structures & Algorithms | WEB310 Web Development I | SYS310 System Design & Architecture | | DEI301 DEI in Computer Science |

ENG106 is a prerequisite to any LSO

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| | CAO401 Computer Architecture & Organization | WEB401 Web Development II | UDI401 User Interface Design | SEC401 Intro to Security | BTC440 Business & Tech writing | LSO |

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| STA501 Applied Statistics | REA501 Research Methodologies | WTP200 Work term preparation | DEI501 Building an Accessibility ToolkitI | SEC501 Software Security | | LSO |

| CS771 Work term (Winter) |

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| ETH601 Law & Ethics | CPT601 Capstone Project | CLO601 Cloud Computing for Programmer | Pro option | | LSO |

Pro option prerequisites vary

Seneca Polytechnic - School of Information Technology Administration & Security– July 2024
MTH130 & DEI101 are 7 week courses