Partners in Education

University of Mary and Bismarck State College

Complete Your Bachelor's Degree

Computer Science

The University of Mary and Bismarck State College have partnered to support you as you work toward your bachelor's degree. Through this partnership, it's even easier to make the step from an associate's degree program to finishing a bachelor's degree.

Our partnership allows you to easily transfer course credits earned at Bismarck State College and use them toward earning a bachelor's degree from the University of Mary. Using the guide on the back, you can plan in advance to complete the all appropriate coursework required to earn your bachelor's degree — meaning you'll be well prepared for success as you pursue a bachelor's degree.

The University of Mary is dedicated to supporting students like you — those answering the call to serve in their communities and meet their regional workforce needs. While each student comes to us with distinct circumstances, experiences, and perspectives, our faculty, advisors, and staff will ensure that you graduate with the tools you need to succeed — in your career and in your life.

University of Mary | *for Life.*

Questions?

We're just a phone call or email away, 701-355-8030 or enroll@umary.edu

Degree Requirements by Course Listing

Communications (Total 9 Credits)

BSC Course Name and Number	University of Mary Course
ENGL 110 College Composition I (3 cr)	ENG 111
ENGL 120 College Composition II (3 cr)	ENG 121
COMM 110 Fundamentals of Public Speaking (3 cr)	COM 110

Arts and Humanities (Total 6 Credits)

BSC Course Name and Number	University of Mary Course
RELS 120 or 203 Religion in America or World Religion (3 cr)	THE 120
PHIL 210 Ethics (3 cr)	PHI 208

Social and Behavioral Science (Total 6 Credits)

BSC Course Name and Number	University of Mary Course
Social and Behavioral Elective (3 cr)	Liberal Arts Elective
Social and Behavioral Elective (3 cr)	Liberal Arts Elective

Math, Science, and Technology (Total 15 Credits)

BSC Course Name and Number	University of Mary Course
MATH 165 Calculus I (4 cr)	MAT 209
MATH 166 Calculus II (4 cr)	MAT 210
PHYS 251/L University Physics I (5 cr)	PHY 251/L
Lab Science Elective (4 cr)	LA Elective (Accept up to 3 cr)

Computer Science Major

Additional Course Requirements:

BSC Course Name and Number	University of Mary Course
ENGR 101 Graphical Communication (3 cr)	ENR 101
CIS 204 Database Design & SQL (3 cr)	CSC 300 (Lower-Division Credit)
CIS 230 Electronic Publishing (3 cr)	CSC 340 (Lower-Division Credit)
CSCI 160 Computer Science I (3 cr)	CSC 106
CSCI 161 Computer Science II (3 cr)	CSC 107
MATH 265 Calclulus III (4 cr)	MAT 211
MATH 266 Intro to Differential Equations (3 cr)	MAT 334 (Lower-Division Credit)
CSCI 174 Intermediate C++/Visual C++ (3 cr)	CSC 204

Additional BSC Degree Requirements

BSC Course Name and Number	University of Mary Course
Complete Enrichment Requirement (3 cr)	N/A
Diversity Requirement (3 cr)	Met by RELS

Maximum of 62 BSC credits can be transferred to the University of Mary.

Courses that will be applied toward the CSI major at the University of Mary require a minimum grade of C.

If student is pursuing an AA degree instead of AS, different elective courses may be required at BSC to fulfill those requirements. Meet with your advisor to adapt your course plan.

Students may choose to complete electives at BSC other than those recommended above. Contact University of Mary Admissions if you have questions regarding transfer equivalencies for different courses, in order to ensure the selected courses will apply toward your University of Mary program of study.

The following courses to be completed at The University of Mary

FYE 322- Transition Seminar (1 cr)

ENR/MAT 200- Computing in ENR (3 cr)

MAT 334- Differential Equations (4 cr)

MAT 306/312/451- Math Elective (4 cr)

CSC 203- App Design/Implementation (3 cr)

CSC 356- Programming Languages I (3 cr)

CSC 357- Programming Languages II (3 cr)

CSC 360- Computer Architecture (3 cr)

CSC 457- Advanced Programming Languages (3 cr)

CSC 487- OS Engineering (3 cr)

EEL 206/L- Circuits I & Lab (4 cr)

EEL 313/L- Circuits II & Lab (4 cr)

EEL 462/L- Embedded Systems (4 cr)

CSC 360- Introduction to Engineer (3 cr)

ENR 210- Computer Aided Measurement (3 cr)

ENR 280- ENR Design Lab I (1 cr)

ENR 281- ENR Design Lab II (3 cr)

ENR 304- Computer Aided Analysis (3 cr)

ENR 338- Advanced ENR Math (3 cr)

ENR 419- ENR Data Analysis (3 cr)

ENR 460- Engineering Economy (3 cr)

ENR 470- Engineering Ethics (1 cr)

ENR 488- Senior Design (3 cr)

Tecchnical Elective- See Catalog Options (3 cr)

HUM 499
Senior Competency Testing (0 cr)

Total: 133 semester credits for Graduation required for graduation