



SEAMLESS TRANSFER

Mechanical Engineering

The University of Mary and Bismarck State College have partnered to offer the Seamless Transfer program. Now, it's even easier to step from a two-year program into a bachelor's degree.

The Seamless Transfer program allows students to work towards their bachelor's degree from the University of Mary while simultaneously earning their associate's degree from Bismarck State College. Students who successfully complete their Associate of Science/Arts degree with the required Mary pre-requisites at Bismarck State College can seamlessly transfer to the University of Mary and complete their bachelor's degree in as little as two years.

Workers with a bachelor's degree can earn \$1,344 more per month than those with an associate's degree.

(Dollar amount is based on the median usual weekly earning.)

Questions?

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

**University of Mary General Bachelor's Degree Requirements
Bismarck State College Transfer Student General Education Requirements (AS)**

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 (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
SBS Elective (3 cr)	N/A
SBS Elective (3 cr)	N/A

Math, Science, and Technology (Total 15 Credits)

BSC Course Name and Number	University of Mary Course
CHEM 121/L General Chemistry I & Lab (5 cr)	CHE 111/L
MATH 165 Calculus I (4 cr)	MAT 209
MATH 166 Calculus II (4 cr)	MAT 210
PHYS 251/L University Physics I & Lab (5 cr)	PHY 251/L
PHYS 252/L University Physics II & Lab (5 cr)	PHY 252/L

Mechanical Engineering Major

Additional Course Requirements:

BSC Course Name and Number	University of Mary Course
ENGR 101 Graphical Communication & CAD Elective (6 cr)	ENR 101
ENGR 201 Statics & ENR 202 Dynamics (6 cr)	ENR 201
ENGR 203 Mechanics of Materials (3 cr)	ENR 203/L
ENGR 206 Fluid Mechanics (3 cr)	ENR 306 (LL)
ENGR 241 Thermodynamics I (3 cr)	ENR 341 (LL)
MATH 265 Calculus III (3 cr)	MAT 211

Additional BSC Degree Requirements

BSC Course Name and Number	University of Mary Course
Complete Enrichment Requirement (2 cr)	N/A

University of Mary Courses

- FYE 322** - Transition Seminar (1 credit)
- MAT 334** - Differential Equations (4 credits)
- PHYS 253** - Engineering Physics III (5 credits)
- EME 298** - Manufacturing Tech Lab (1 credit)
- EME 301** - Materials Science (3 credits)
- EME 305** - System Dynamics (3 credits)
- EME 322** - Design of Machinery (3 credits)
- EME 323/L** - Machine Component Design & Lab (4 credits)
- EME 406** - Adv. Systems Modeling (3 credits)
- EME 418** - Manufacturing Process (4 credits)
- EME 441** - Thermodynamics II (3 credits)
- EME 474** - Heat & Mass Transfer (3 credits)
- ENR 483** - Mech. Measurements Lab (3 credits)
- EME 487** - Mech. Eng.Design Project (3 credits)
- ENR 200** - Computing for Engineering (3 credits)
- ENR 206** - Fund. of Electrical ENR (3 credits)
- ENR 210** - Computer Aided Measurement (3 credits)
- ENR 280** - ENR Design Lab I (1 credit)
- ENR 281** - ENR Design Lab II (1 credit)
- ENR 304** - Computer Aided Analysis (3 credits)
- ENR 338** - Adv Engineering Math (3 credits)
- ENR 405/L** - Control Systems & Lab (4 credits)
- ENR 419** - Engineering Data Analysis (3 credits)
- ENR 460** - Engineering Economy (3 credits)
- ENR 470** - Engineering Ethics (3 credits)
- ENR 488** - Senior Design (3 credits)
- ENR 498** - FE Exam Prep (0 credits)
- Technical Elective** - Need One (3 credits)
- HUM 499** - Senior Assessment (0 credits)

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

Minimum grade of "C-" required for all courses which apply to the Civil Engineering major or course pre-reqs.

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.