

Suggested Transfer Pathway

College of Southern Maryland Associate of Science in Engineering A.S. leading to
West Virginia University Bachelor of Science in Civil Engineering B.S.C.E.
Total Credits: 63, Catalog Year: 2026–2027



College of Southern Maryland

(Courses may be taken in any order, pending prerequisites)

Year One – First Semester	Credits
ENG 1010 Composition and Rhetoric	3
EGR 1100 Introduction to Engineering	3
MTH 1200 Calculus I and Analytic Geometry	4
CHE 1200 & CHE 1200L General Chemistry I & Lab	4
Arts Elective	3
TOTAL	17

Year One – Second Semester	Credits
COM 1010 Basic Principles of Speech Communication	3
EGR 1210 Introduction to Engineering	3
MTH 1210 Calculus II	4
PHY 1310 Calculus-Based Physics I: Mechanics and Fluids with Lab	4
TOTAL	15

Year Two – First Semester	Credits
MTH 2200 Calculus III	4
MTH 2210 Differential Equations	4
PHY 2300 Calculus-Based Physics II: Vibrations, Heat, and Electricity with Lab	4
EGR 2210 Introduction to Engineering	3
TOTAL	15

Year Two – Second Semester	Credits
PHY 2320 Calculus-Based Physics III: Magnetism, Optics, and Modern Physics with Lab	4
SOC 2010 Technology and Society	3
EGR 2200 Introduction to Engineering	3
EGR 2320 Introduction to Engineering	3
Social/Behavioral Science w/ CGA	3
TOTAL	16

Please see agreement for details.



College of Southern Maryland Contact:
advisor@csmd.edu

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Year Three – First Semester	Credits
CE 201 Introduction to Civil Engineering	1
CE 210 & CE 210L Introduction to Computer Aided Design and Drafting for Civil Engineers & Lab	3
CE 321 Fluid Mechanics for Civil Engineers	3
CE 332 Introduction to Transportation Engineering	3
WRIT 305 Technical Writing	3
STAT 215 Introduction to Probability and Statistics	3
TOTAL	16

Year Four – First Semester	Credits
CE 347 & CE 347L Introduction to Environmental Engineering & Lab	4
CE 361 & CE 361L Structural Analysis 1 & Lab	4
CE Open Elective	3
BIOL 115 & BIOL 115L or SUST 101 & SUST 101L	4
ECON 201 Principles of Microeconomics	3
TOTAL	18

Year Three – Second Semester	Credits
CE 301 Engineering Professional Development	1
CE 351 & CE 351L Introductory Soil Mechanics & Lab	4
CE Open Elective	3
CE Open Elective	3
CE Design Elective	3
ENGR/MATH/Science Elective	3
TOTAL	17

Year Four – Second Semester	Credits
IENG 377 Engineering Economy	3
CE 479 Integrated Civil Engineering Design-Capstone	3
CE Design Elective	3
CE Open Elective	3
CE Open Elective	3
TOTAL	15

Students must have a cumulative GPA of 2.25 in all college coursework attempted, and a C- or better in MAT 1200, (WVU MATH 155), and EGR 1100 (WVU MAE 102) to be admitted directly to the Civil Engineering Program.

