



SCIENCE MAJORS

VCCS to EMU Major Course Transferability Guide

The following Virginia community college courses will transfer in as required EMU biology, biochemistry, chemistry, and clinical lab science major courses if completed with “B” grades or better. These courses completed with “C” grades will count as elective credits and applied toward graduation at EMU. Virginia community college transfer students who complete 20 semester hours or credits of these courses with grades of “B” or better will be considered to have satisfied our biology/ biochemistry/ CLS major requirement BIOL 173, Concepts in Biology: Unity and Diversity of Life. Note: We don’t accept online laboratory as sufficient preparation for our program.

VIRGINIA COMMUNITY COLLEGE COURSES:

EMU COURSES:

Course #	Course Description	Course #	Course Description
BIO 101	General Biology I	BIOL 240, BIOL 235, or BIOL 215	Molecules and Cellular Biology, Ecology, or Organismal Biology (Note: Transfer students should consult with an EMU academic advisor to select the most appropriate course)
BIO 102	General Biology II	BIOL 240, BIOL 235, or BIOL 215	Molecules and Cellular Biology, Ecology, or Organismal Biology (Note: Transfer students should consult with an EMU academic advisor to select a second appropriate course)
BIO 150	Microbiology for Health Sciences	BIOL 205	Microbiology
BIO 205	General Microbiology	BIOL 327	Advanced Microbiology
BIO 206*	Cell Biology*	BIOL 240	Molecules and Cellular Biology
BIO 220*	Immunology*	BIOL 337	Immunology
CHM 111	General Chemistry I	CHEM 223	General Chemistry I
CHM 112	General Chemistry II	CHEM 224	General Chemistry II
CHM 241*, CHM 242*, CHM 243*, and CHM 244*	Organic Chemistry I, Organic Chemistry Lab I, Organic Chemistry II, and Organic Chemistry Lab II	CHEM 315	Organic Chemistry I (Note: Students who complete a full year, including labs, of organic chemistry at the community college with B grades or better will receive credit for the first semester and lab at EMU and 4 additional elective credits that can be applied toward graduation.)
MTH 245	Statistics I	STAT 220	Inferential Statistics
MTH 263	Calculus I	MATH 185	Calculus I
MTH 264	Calculus II	MATH 195	Calculus II
PHY 201 or PHY 241	General College Physics I or University Physics I	PHYS 252 and 253	University Physics I Lecture and Laboratory
PHY 202 or PHY 242	General College Physics II or University Physics II	PHYS 262 and 263	University Physics II Lecture and Laboratory

Courses indicated with * are not in Blue Ridge Community College’s 22/23 catalog.



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VCCS to EMU Major Course Transferability Guide (cont.)

Other Virginia community college science courses and their equivalents at EMU

These courses are not a part of any major programs in the sciences, but may meet requirement in education, nursing or other programs

VIRGINIA COMMUNITY COLLEGE COURSES:

EMU COURSES:

Course #	Course Description	Course #	Course Description
BIO 107	Biology of the Environment	ENVS 145	Environmental Science
BIO 141	Human Anatomy & Physiology I	BIOL 112	Anatomy & Physiology I
BIO 142	Human Anatomy & Physiology II	BIOL 122	Anatomy & Physiology II
GOL 110	Earth Science	ENVS 135	Earth Science
CHM 101	Introductory Chemistry	CHEM 155	Matter and Energy
CHM 110	Survey of Chemistry	CHEM 155	Matter and Energy