

NEW RIVER COMMUNITY COLLEGE

2026-2027 CATALOG

Student _____

ID # _____

Advisor _____

**ENGINEERING, AS DEGREE
Computer Science Major**

<u>Sem. & Yr. Taken</u>	<u>FIRST SEMESTER - FALL</u>	<u>Grade</u>	<u>Sem. & Yr. Taken</u>	<u>THIRD SEMESTER- FALL</u>	<u>Grade</u>
_____	CSC 221 Intro to Problem Solving & Programming	3 _____	_____	CSC 222 Object-Oriented Programming	4 _____
_____	CHM 111 College Chemistry I (or BIO 101 or PHY 241)	4 _____	_____	MTH 265 Calculus III	4 _____
_____	EGR 121 Foundations of Engineering	2 _____	_____	CHM 112 College Chemistry II (or BIO 102 or PHY 242) ²	4 _____
_____	ENG 111 College Composition I	3 _____	_____	_____ EGR Social Science Requirement(s) ²³	<u>3</u> _____
_____	MTH 263 Calculus I	4 _____			15
_____	SDV 101 Orientation to Computer Science and Information Technology (or SDV 100)	<u>1</u> _____			
		17			
<u>Sem. & Yr. Taken</u>	<u>SECOND SEMESTER - SPRING</u>	<u>Grade</u>	<u>Sem. & Yr. Taken</u>	<u>FOURTH SEMESTER - SPRING</u>	<u>Grade</u>
_____	EGR 122 Engineering Design	3 _____	_____	CSC 205 Computer Organization	3 _____
_____	ENG 112 College Composition II	3 _____	_____	CSC 215 Computer Systems	3 _____
_____	MTH 264 Calculus II	4 _____	_____	CSC 223 Data Structures and Analysis of Algorithms	4 _____
_____	_____ EGR Humanities/Fine Arts Requirement(s) ¹	3 _____	_____	_____ EGR Humanities/Fine Arts Requirement(s) ¹	3 _____
_____	HIS 101 Western Civilizations Pre-1600 CE (or HIS 121/HIS 102/HIS 122)	<u>3</u> _____	_____	MTH 288 Discrete Mathematics (or CSC 208) ³⁴	3 _____
		16			16

TOTAL MINIMUM CREDITS FOR AS DEGREE – 64

¹Students may choose from college approved Humanities/Fine Arts Requirements in the college catalog. The two required Humanities/Fine Arts Requirements cannot be from the same discipline area.

²Students should take the second semester of the previously selected natural science course.

²³Social Science Requirements include the following: ECO (excluding ECO 120), GEO, PLS, PSY (excluding PSY 120), or SOC. Virginia Tech may recommend ECO 201-202; students should consult the specific requirements of the specific program at the transfer institution.

³⁴MTH 288 (or CSC 208) is a co-requisite for CSC 223.

NOTES:

Students planning to transfer should consult the four-year transfer institution to determine course recommendations prior to registering for classes at NRCC.

General transfer information is available at www.nr.edu/transfer.

VT Foreign Language Graduation Requirement: Students must have had 2 years of a foreign language in high school or one year at the college level (6 credit hours) of the same language. College level credits used to meet this requirement do not count towards the degree.