


**CCV STEM Studies A.S. to UVM Mathematics B.A. Pathway**  
**College of Arts and Sciences (CAS)**  
**Catalogue Year: 2024-2025**

<b>CCV DEGREE PROGRAM: STEM Studies</b>	<b>UVM DEGREE PROGRAM: Mathematics B.A.</b>
Gen Ed: First Semester Seminar INT 1050 - Dimensions of Self & Society	HUMN 1XXX - D1
Gen Ed: Introductory Written Expression ENG 1061 - English Composition	ENGL 1001 - Written Expression, WIL1
Gen Ed: Digital and Computer Literacy Select from approved list of CCV Course Offerings	Elective (please refer to the <a href="#">UVM Transfer Guide</a> )
Gen Ed: Mathematics: <i>Choose:</i> MAT 1531 - Calculus I Additional MAT coursework to prepare for Calculus I can be completed as STEM electives – see below	MATH 1234 - Calculus 1, MA, Major
Gen Ed: Natural Science <i>Choose one four credit lab course from:</i> CHE 1031 - General Chemistry I CHE 1032 - General Chemistry II	CHEM 1400 - General Chemistry 1, N2, QD CHEM 1450 - General Chemistry 2 N2, QD
Gen Ed: Social Science <i>Choose from:</i> ANT 2020, CRJ 1010, ECO 2020, ECO 2030, GEO 2020, POS 1020, PSY 1010, SOC 1010, SOC 1020, SSC 1010	S1, (please refer to the <a href="#">UVM Transfer Guide</a> )
Gen Ed: Arts and Aesthetics <i>Choose from:</i> ARH 2011, ARH 2012, ARH 2020, ARH 2050, ART 1011, ART 1020, ART 1050, ART 1070, ART 1160, ART 1170, ART 1350, ART 2020, ART 2031, ART 2080, ART 2212, ART 2241, ART 2311, ART 2312, ART 2315, ART 2320, ART 2440, DAN 2210, ENG 2090, ENG 2101, ENG 2150, FLM 1050, FLM 2050, FLM 2060, HUM 2200	AH1, plus DAN 2210 fulfills D2 requirement and ENG 2090 fulfills WIL1 and HUM 2200 fulfills D1 requirement (please refer to the <a href="#">UVM Transfer Guide</a> )
Gen Ed: Humanistic Perspectives <i>Choose:</i> ANT 1010 - Introduction to Cultural Anthropology	ANTH 1100 - Cultural Anthropology, D2, S1, SU
Gen Ed: Communication <i>Choose from:</i> COM 1020 - Interpersonal & Small Group Communication COM 1030 - Intercultural Communication	SPCH 1XXX - OC SOC 1XXX - GC2, S1
Gen Ed: Research & Writing Intensive ENG 2135 - Technical Writing & Research	ENGL 1XXX - WIL1
Gen Ed: HUM 2010 - Seminar in Educational Inquiry	HUMN 1XXX - WIL1, AH3
Program Requirements:	
INT 1017 - Creative and Critical Thinking	IDSS 1XXX - Elective
INT 2860 - Professional Field Experience	EDEC XXXX - Elective
STEM Electives: <i>Choose a minimum of 22 college-level credits in:</i> AHS, ARC, BIO, CHE, CIS (above CIS-1020), ENV, MAT, MEC, or PHY  <i>Choose:</i> Any MAT course to best prepare for Calculus  <i>Choose one 3-credit course from:</i> BIO 1140, BIO 2260, ENV 1055, MET 1020, PHY 1110  <i>Choose:</i> MAT 2532 - Calculus II	Elective (please refer to the <a href="#">UVM Transfer Guide</a> )  Natural Science (non-lab) requirement, N1; PHY 1110 also fulfills QD  MATH 1248 - Calculus II, MA, Major
<b>Total Credits at CCV: 60</b>	

<p><b>Credits remaining at UVM:</b></p> <p><u>Distribution/CCC:</u> 1 course CCC AH2, 1 course CCC AH3, 6-8 credits in the same foreign language at the appropriate level, as determined by the offering department. Typically these courses carry GC2, OC, and/or WIL2 designations. Need 40 unique CCC credits.</p> <p><u>Major (Mathematics Concentration):</u> MATH 2248, 2055, 2544, 6 credits at the Intermediate Level, 12 credits at the Advanced Level, 6 credits in ancillary courses (STAT 1410 or STAT 2430, and 1 course/3 credits in CS other than CS 1640).</p> <p><u>*Minor:</u> 12-18 credits</p> <p><u>Electives:</u> As needed to reach 60 total credits</p> <p><b>Total credits required to earn Bachelor's degree is minimum 120.</b></p>	<p><i>*Please review the <u>UVM catalogue</u> for a list of available minors. Minor options can slightly vary in number of credits. The average number of credits is 18. Any adjustment will affect the number of elective credits needed to earn a UVM degree. Due to course sequencing and pre-requisite completion, not all minors can be completed in four semesters. Please connect with your advisor to discuss your career goals and degree completion timeline.</i></p>
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### CATAMOUNT CORE: UVM'S GENERAL EDUCATION CURRICULUM



#### CAS DISTRIBUTION

Students must complete coursework that, when combined, meets the university's Catamount Core Curriculum (CCC) requirements and the College of Arts and Sciences requirements. In most cases, completing the college requirements will result in completing the university requirements as well. Courses used to satisfy these requirements may not be taken on a pass/no pass basis.

Students will be able to take courses that fulfill more than one category, but they must still take at least 40 unique credits of courses that have been approved to fulfill CATAMOUNT CORE CURRICULUM requirements.

REQUIREMENTS		
<b>WIL1 FOUNDATIONAL WRITING</b> -1 course with a WIL1 designation  <b>AH1 ARTS</b> -3 credits in courses with an AH1 Arts designation  <b>AH2 LITERATURE</b> -1 course with an AH2 designation  <b>AH3 HUMANITIES</b> -2 courses with an AH3 designation	<b>S1 SOCIAL SCIENCES</b> -2 courses with an S1 designation  <b>N1/N2 NATURAL SCIENCES</b> -1 course with an N1 designation -1 course with an N2 designation OR -2 courses with an N2 designation  <b>MA/QD QUANTITATIVE REASONING</b> -1 course with an MA designation -1 course with a QD designation	<b>D1/D2/SU COMMON GROUND VALUES</b> -1 course with a D1 designation -1 course with a D2 designation -1 course with an SU designation  <b>GC2/OC/WIL2 LANGUAGE</b> 2 courses/at least 6 credits in the same foreign language at the appropriate level, as determined by the offering department. Typically, these courses carry GC2, OC, and/or WIL2 designations.