

CCV STEM Studies to Vermont Tech Manufacturing Engineering Technology PATHWAY

CCV DEGREE PROGRAM: STEM Studies	VERMONT TECH: Manufacturing Engineering Technology
Gen Ed: First Semester Seminar: INT-1050 or INT-1060	INT-1005 Self, Career, and Culture
Gen Ed: Technological Literacy course	Elective
Gen Ed: Communication	Elective
Gen Ed: ENG-1061 English Composition	ENG-1061 English Composition
Gen Ed: Mathematics: Choose MAT-2021 Statistics I	MAT-2021 Statistics I
Gen Ed: Research/Writing Intensive: ENG-2135 Technical Writing & Research or take ENG-2080 at Vermont Tech	ENG-2080 Technical Communication
Gen Ed: Scientific Method: Choose one 4-cr lab science	Lab Science
Gen Ed: Human Expression: Choose course to meet Vermont Tech Arts and Humanities	Arts and Humanities
Gen Ed: Human Behavior: Choose course to meet Vermont Tech Social Science	Social Science
Gen Ed: Global Perspectives & Sustainability: Choose BIO-1020 Intro to Environmental Biology	Lab Science
Gen Ed: HUM-2010 Seminar in Educational Inquiry	Arts and Humanities
INT-2860 Professional Field Experience	
<p>Additional credits to reach 23 college-level credits from any combination of AHS, ARC, BIO, CHE, CIS (above CIS-1020), ENV, GEY, MAT, or PHY</p> <p><u>Vermont Tech requires a minimum of 12 credits of approved math courses, including calculus and statistics.</u> Consider additional math courses for transfer: MAT-1230 College Algebra and MAT-1330 Pre-Calculus (must take both MAT-1230 and MAT-1330 to sub for MAT-1311 and MAT-1312) MAT 1531 Calculus I</p> <p><u>Vermont Tech requires 12 total credits of lab science.</u> Consider 1-2 additional lab science courses.</p> <p><u>Vermont Tech requires 24 engineering, science, or management courses (12 credits above 2000 level).</u> Consider additional science courses.</p> <p><u>Consider taking through Vermont Tech prior to transfer:</u> MEC 1011 - Design Communications I MEC 1020 - Manufacturing Processes MEC 1060 - Metrology and Inspection Techniques</p>	<p>MAT-1311 Pre-Calculus I and MAT-1312 Pre-Calculus II</p> <p>MAT-1520 Calculus for Engineering</p> <p>Lab science (12 credits total)</p> <p>MEC 1011 - Design Communications I MEC 1020 - Manufacturing Processes MEC 1060 - Metrology and Inspection Techniques</p>
Total CCV credits: 60+	
	MEC 1011 - Design Communications I
	MEC 1020 - Manufacturing Processes
	MEC 1060 - Metrology and Inspection Techniques
	MEC 1040 – Materials Science and Engineering
	MEC 2040 - Computer-Aided Technology
	MEC 3031 - Materials Processes
	MEC 3041 - Advanced CNC
	MEC 3021 - Manufacturing Processes II
	MEC 4010 - Lean Manufacturing
	MEC 4020 - Quality Assurance
	MEC 4721 - Capstone Project
	Business and Management (6 credits at 3000-level or above)
	24 credits of engineering, science, or management courses (12 credits at 2000-level or above) <i>1000/2000-level courses may be taken through CCV</i>
	12 credits of lab-based science: <i>may be taken at CCV</i>
	3000-4000 level AH/SS level elective
	Electives credits to reach 120 total credits
	Estimated total CCV+ Vermont Tech credits: 121+