

Course #	Description	Course Credits	Credits Earned	Grade	Course #	Description	Credits Earned	Satisfies University Requirement?
Required Courses					Elective & Distributional Requirements			
CS 21	Programming I	3					Credits	D1/D2/FW/SU*
CS 50	Sem for new CS majors*	1						
CS 64	Discrete Structures	3						
CS 110	Intermediate Prog.	4						
CS 120	Advanced Programming	3						
CS 121	Computer Org	3						
CS 124	Data Structures	3						
CS 125	Computability & Cmplxty	3						
CS 201	Operating Sys	3						
CS 224	Algorithm Design + Analy	3						
CS 292	Senior Seminar	1						
CS Electives								
CS ≥ 0xx		3						
CS ≥ 1xx		3						
CS ≥ 1xx		3						
CS ≥ 2xx		3						
CS ≥ 2xx		3						
CS ≥ 2xx		3						
CS ≥ 2xx		3						
Subtotal CS (min 50, max 60):								
Math 21	Calc I	4						
Math 22	Calc II	4						
STAT 143	Statistics for Engineers	3						
STAT 151 or CS 128		3						
Select two of the following:								
Math 121	Calc III	4						
Math 122 or 124	Linear Algebra	3						
Math 173	Combinatorial Theory	3						
Math 271	Appl M Eng/Sci	3						
Subtotal Math & Stat (min 20):								
Natural Science		3						
Natural Science w/lab		4						
Subtotal Natural Science (min 7):								
<p>*Students must also complete the University Requirements (indicate above) D1 diversity D1 or D2 diversity FW: Writing (e.g., ENGS 001, TAP, HCOL 085) SU: Sustainability</p>								

*CS 50 is recommended for new majors taking CS 21 or 110, but is not required.
 - Students must achieve a minimum GPA of 2.00 in all courses with a CS prefix. The minimum 2.00 GPA also includes courses without a CS prefix that are substituted for a CS course requirement.
 - Grade of C- or higher required in [CS 021](#) and [CS 110](#).
 - Refer to catalogue for approved Natural Science courses

Credit Summary

Total Credits Required (120 min)

This document is an advising tool and should be used in combination with a student's degree audit, as well as the published Catalogue for 2019-2020 found at <http://catalogue.uvm.edu/>