

Calculating Cumulative Grade Point Average (CGPA)

A student's CGPA is the weighted average of all grades received at Ontario Tech. In order to calculate an average using our letter grade scale, each grade is assigned a number of points as outlined in the [Grading System and Academic Standing Policy \(Undergraduate\)](#).

Each course is also assigned a credit hour weight which is outlined in the [Academic Calendar](#). To calculate the CGPA, multiply the course credit hours by the grade points earned. This gives the quality points for each course. Sum the total quality points and divide by the total number of credit hours to get the CGPA.

As an example, Fred, a student at Ontario Tech, has received the following grades in their first semester (Fall 2020):

Semester	Course	Grade	Credit Hrs		Grade Pts		Quality Pts
Fall 2020	MATH 1010U	B+	3.0	x	3.3	=	9.9
Fall 2020	PHY 1010U	C	3.0	x	2.0	=	6.0
Fall 2020	CHEM 1010U	A-	3.0	x	3.7	=	11.1
Fall 2020	BUSI 1000U	D	3.0	x	1.0	=	3.0
Fall 2020	SSCI 1000U	F	3.0	x	0.0	=	0.0
	Total		15.0				29.0

Fred has earned 29.0 quality points on the 15.0 credit hours they attempted. Their CGPA is therefore $29.0 \div 15.0 = 1.93$.

If Fred repeats the failed course (SSCI 1000U) and completes it successfully, the old grade is no longer counted toward their CGPA. However, it still appears on their transcript marked with an 'E' as an excluded course. The new grade is marked with an 'I' as an included course.

Semester	Course	Grade	Credit Hrs		Grade Pts		Quality Pts	I/E
Fall 2020	MATH 1010U	B+	3.0	x	3.3	=	9.9	
Fall 2020	PHY 1010U	C	3.0	x	2.0	=	6.0	
Fall 2020	CHEM 1010U	A-	3.0	x	3.7	=	11.1	
Fall 2020	BUSI 1000U	D	3.0	x	1.0	=	3.0	
Fall 2020	SSCI 1000U	F	3.0	x	0.0	=	0.0	E
Winter 2021	MATH 1020U	B+	3.0	x	3.3	=	9.9	
Winter 2021	PHY 1020U	C	3.0	x	2.0	=	6.0	
Winter 2021	CHEM 1020U	A-	3.0	x	3.7	=	11.1	
Winter 2021	BUSI 2000U	D	3.0	x	1.0	=	3.0	
Winter 2021	SSCI 1000U	C+	3.0	x	2.3	=	6.9	I
	Total		27.0				66.9	

Fred has earned 66.9 quality points on the 27.0 credit hours they attempted. Their CGPA is therefore $66.9 \div 27.0 = 2.48$.