

How to Calculate Your GPA

A = 4.0

B+ = 3.5

B = 3.0

C+ = 2.5

C = 2.0

D = 1.0

F = 0.0

	Course	Credit	Grade	Point Value	Credit x Point
Semester 1	Chem 1	3	C	2.0	6.0
	Chem Lab	1	C+	2.5	2.5
	Calc 1	4	B	3.0	12.0
	Physics 1b	2	C+	2.5	5.0
	Sociology	3	A	4.0	12.0
	Computers	3	B+	3.5	10.5
	Total	16			48

$$\frac{\Sigma(\text{credit} \times \text{points})}{\Sigma(\text{credits})} = \frac{(3 \times 2) + (1 \times 2.5) + (4 \times 3) + (2 \times 2.5) + (3 \times 4) + (3 \times 3.5)}{3 + 1 + 4 + 2 + 3 + 3}$$

GPA for Semester 1: $48/16=3.0$

Semester 2	Chem2	3	D	1.0	3.0
	Expos	3	C	2.0	6.0
	Calc 2	4	C+	2.5	10.0
	Physics 1b	2	B	3.0	6.0
	Statics	3	C	2.0	6.0
		Total	15		

GPA for Semester 2: $31/15 = 2.067$

Cumulative GPA: $\frac{48+31}{16+15} = \frac{79}{31} = 2.548$

***What happens if I repeat a course for grade replacement?**

Semester 3	Chem 2 (repeat)	3	B	3.0	9.0
	Economics	3	C+	2.5	7.5
	Calc 3	4	C+	2.5	10.0
	Physics 2a	3	B	3.0	9.0
	Physics 2a lab	1	A	4.0	4.0
		Total	14		

GPA for Semester 3: $39.5/14 = 2.821$

Cumulative GPA : $\frac{48+31+39.5}{16+15+14} = \frac{118.5}{45} = 2.633$

(after grade replacement)

***Since Chem 2 was retaken, and a D or F was received the first time, you can request Grade Replacement for acceptable courses. The old grade gets 'E-credited' or removed from the GPA.**

***NEW GPA for Semester 2:** $(31-3)/(15-3) = 28/12 = 2.333$

***NEW Cumulative GPA after Semester 2:** $\frac{48+28}{16+12} = \frac{76}{28} = 2.714$

***NEW Cumulative GPA after Semester 3:** $\frac{48+28+39.5}{16+12+14} = \frac{115.5}{42} = 2.75$

Scenario: You know that you have a 2.75 cumulative GPA with a total of 42 credits. What do you have to get with 15 credits in Semester 4 in order to bring the Cumulative GPA up to a 3.0?

Answer: To get the top and bottom of your fraction (as in the calculations above), multiply the cumulative gpa x total credits --> $2.75 \times 42 = 115.5$. Now set up the inequality...

$$115.5 + x \geq 3.0$$

$$42 + 15 \quad \text{Solve for } x: x \geq 55.5$$

GPA for Semester 4 would have to be $55.5/15 = 3.7$