

STIOffice – Calculating GPA’s

How STIOffice Calculates Grade Point Averages

- **Step 1:** The program converts each grade to quality points by looking at the grade earned (for example, *A* or *98*) and then assigning the *Standard (4)* or *Numeric (98) Quality Points*, based on the grading scale definition.
- **Step 2:** The Standard or Numeric Quality Points would then get any “additional” value based on the *Weight Added or Weight Multiplier* field from the Master Schedule.
- **Step 3:** The result of Step 2 is multiplied by the *Weight Multiplier*.
- **Step 4:** The result of Step 3 is multiplied by the *Credits Attempted* to calculate the Quality Points given for the course.
- **Step 5:** All Quality Points of all courses are added together to calculate the total Quality Points.
- **Step 6:** The total Quality Points are then divided by the total Credits Attempted to determine the Grade Point Average.

Standard GPA Example

The example below may be used to illustrate this process.

- A student has four grades: *A*, *A*, *B* and *C*. The following conditions apply:
 - The *B* is in a weighted course with a *Weight Add* of 1.00.
 - All courses receive 0.5 credits earned and attempted.
- The GPA calculation will work as shown on the following page.

Grade	Quality Points		Weight Added		Weight Multiplier		Credit Attempt	Quality Points
A	4.0	+	0	= 4.0 x	1.0	= 4.0 x	0.5	= 2.0
A	4.0	+	0	= 4.0 x	1.0	= 4.0 x	0.5	= 2.0
B	3.0	+	1	= 4.0 x	1.0	= 4.0 x	0.5	= 2.0
C	2.0	+	0	= 2.0 x	1.0	= 2.0 x	0.5	= 1.0

Total Quality Points: 7.0

7 (Quality Points) divided by 2.0 (Credits Attempted) = **3.5 GPA**

Numeric GPA Example (with Standard Weight Added)

The example below may be used to illustrate this process.

- A student has four grades: 98, 94, 85 and 70. The following conditions apply:
 - The 85 is in a weighted course with a *Weight Add* of 10.00.
 - All courses receive 0.5 credits earned and attempted.
- The GPA calculation will work as follows:

Grade	Quality Points		Weight Added		Weight Multiplier		Credit Attempt	Quality Points
98	98	+	0	= 98 x	1.0	= 98 x	0.5	= 49
94	94	+	0	= 94 x	1.0	= 94 x	0.5	= 47
85	85	+	10	= 95 x	1.0	= 95 x	0.5	= 47.5
70	70	+	0	= 70 x	1.0	= 70 x	0.5	= 35

Total Quality Points: 178.5

178.5 (Quality Points) divided by 2.0 (Credits Attempted) = **89.25 GPA**

Numeric GPA Example (with Percentage Weight Added)

The example below may be used to illustrate this process.

- A student has four grades: 98, 94, 85 and 70. The following conditions apply:
 - The 85 is in a weighted course with a *Weight Multiplier* of 1.10 (additional 10 percent).
 - All courses receive 0.5 credits earned and attempted.
- The GPA calculation will work as follows:

Grade	Quality Points		Weight Added		Weight Multiplier		Credit Attempt	Quality Points
98	98	+	0	= 98 x	1.0	= 98 x	0.5	= 49
94	94	+	0	= 94 x	1.0	= 94 x	0.5	= 47
85	85	+	0	= 85 x	1.10	= 93.5 x	0.5	= 46.75
70	70	+	0	= 70 x	1.0	= 70 x	0.5	= 35

Total Quality Points: 177.75

177.75 (Quality Points) divided by 2.0 (Credits Attempted) = **88.875 GPA**