Algorithm for calculating the term GPA

Get a standard 8 ½ x 11 piece of notebook paper.

Draw a table with as many rows as you have classes + 1 and 4 columns.

In the first row of the table:

 Label the first cell with “Grade”

 Label the second cell with “Credits”

 Label the third cell with “QP”

 Label the fourth cell with “Credit QP”

In the column underneath Grade, list each grade you received.

In the column underneath Credits, list the credit hours for each course associated with the Grade value.

Using the QP chart below, in the column listed QP, write the quality point value associated with the grade.

For each row:

 Multiply the Credits value with the QP value and store the result in Credit QP.

Underneath the Credit hours, create a box and label it Total Credits.

For each row:

 Add the value in Credits to the value in Total Credits (replacing the original value).

Underneath the Total QP column, create a box and label it with Total QP.

For each row:

 Add the value in CreditQP to the value in Total QP (replacing the original value).

Create a box labeled Semester GPA.

If the value in Total Credits is greater than 0

 Divide Total QP by Total Credits and store the result in Semester GPA

otherwise

 Write 0 into Semester GPA.

QP Chart

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | B+ | 3.3 | C+ | 2.3 | D+ | 1.3 |  |  |
| A | 4.0 | B | 3.0 | C | 2.0 | D | 1.0 | F | 0 |
| A- | 3.7 | B- | 2.7 | C- | 1.7 | D- | .7 |  |  |