# Requirements for program

* What: school credit counter (a code that counts a student’s class credits)
* Where: inside an attachable program (I will use readme files for functionality and arrays/array-list)
* When: when the student goes to sign up for classes
* Why: colleges have limits on credits that can be taken with FAFSA. (At Olympic College its 90)
* Assumptions
  + All students start off at zero
  + All attempted classes failed or passed will be added
  + Will show up in a message at 85 credits show warning message
  + Will have 3 different student readme files to view
* Exclusions
  + Cannot have over 300 credits
  + Can’t be negative

Step 1

* What: read types of files with course credits
* Where: in an attached class
* When: when you scan for previous Courses
* Why: This will make compiling simpler and will not require permission to access code and information from OC
* Assumptions
  + No Negative numbers

Step 2

* What: a scanner which will add course credit amounts to the program when typed in
* Where: after reading for previous files
* When: after reading for previous files
* Why: to add current credits to the code and add then
* Assumptions
  + If closed nothing will be added
* Exclusions
  + Will never be negative

Step 3

* What: Student A readme file
* Where: main method
* When: in the main method
* Why: Student A will be a brand-new student with 0 course credits
* Assumptions
  + Can’t go below zero
  + Will only add course credits that they take to total count
* Exclusions
  + All class credits are counted

Step 4

* What: Student B array/array-list file
* Where: main method
* When: Student B will be a returning student with 100 course credits
* Why: finishing a degree after covid
* Assumptions
  + Cannot go over 300 credits
  + Will display warning
* Exclusions
  + All credits will be added though the math function

Step 5

* What: Student C readme file
* Where: main method
* When: Student C will be a student with 89 course credits
* Why: Continuing degree after meeting class requirements
* Assumptions
  + Will display warning
* Exclusions
  + All credits will be added though the math function

Step 6

* What: warning message when student reaches course credit threshold of 85 or above
* Where: at the end
* When: right before the program closes
* Why: to let students know when to look into applying for extension
* Assumptions
  + Will only show when student reaches credit threshold.
* Exclusions
  + Will not repeat constantly

END OF PROGRAM Will Close