Academic Program Review Recommendations:
2022-23 Annual Progress Report

The purpose of the Annual Progress Report is to facilitate the tracking of progress made on program recommendations/goals and to identify and explain the addition of any new program goals not listed in the most recent Review.

1. Name of Program: General Education - Math
2021 General Education Program Review

2. List goals from the most recent **Program Review** and report on progress for each goal: 2021 goals

1. **The math department recommends that another full-time faculty member be hired.**

   The math department now has 4 full-time instructors. Abel Wolman was hired full-time in the fall of 2021. This brings the department to 4 full-time instructors. Neither of the adjunct instructors is still working here at CGCC. While our class numbers are down and we are offering fewer sections of certain classes than we have in the past, we have added co-requisite classes.

2. **The department needs to do a more thorough analysis of the completion rates and progression in the program.**
   With more students involved in Dual Credit and the co-requisite courses being designed and offered this deep dive into the data needs to be done.

    This has not occurred, but we as a department need to work on this.

3. **The department recommends analyzing the needs of students on an annual basis to ensure the upper division offerings continue to meet their needs. There is a possibility that upper-division offers may have to be expanded in order to meet a growing need.**

   The mathematics department has begun to keep track of data more efficiently in order to determine student success from one course/term to the next. Our numbers have gone down since Covid. Our department was once very vibrant and had large numbers of students, however, we are barely getting enough students to run a class.

4. **Setting aside budget money to encourage adjunct faculty to attend more department meetings.**
   This is a non-issue as there are no adjuncts in the department at this time.

5. **Hire a Gen Ed Dean to help stabilize the department**
   A Dean was hired in the summer of 2021. This has helped stabilize not only the department but also the Gen Ed department as a whole.

3. List any additional goals added since the most recent Program Review, and include the rationale for each new goal:

Rationale:
In the last program review, the department had determined to measure progress on program review goals by setting a target of "at least a 10% increase of students taking the next level course then the department will be growing".
This is not happening. We are currently holding steady with about 70 students a term. Students are not continuing with their math. They are choosing not to take more "just for fun".

The math department is looking at other ways to encourage students to continue with math.

a. Create a "fun" elective math class that has no prerequisite. One that would entice even the most math-phobic students to want to take it. **The department is currently working on creating a Mathematics of Game course.**

b. Create a math certificate that would entice students to continue for another course or two.

c. Create a new math pathway set of courses that would encourage high school students to want to continue with CGCC for at least their freshman year. Many students are taking all their math at the high school level in dual enrollment. This set of math courses would be suitable for those continuing in either Math, Computer Science, or Engineering. This is also in conjunction with the Computer Science MTM

d. A survey is being created to send to the sending school districts to determine whether or not students would like to continue at CGCC if computer science courses were reoffered and what math courses they would like to take if they have already completed calculus.

e. Create a "bootcamp" for incoming students that will help with math skills no matter what program they are going into. ie. CTE, Nursing, etc. This work will be in conjunction with the other departments. Details have not been worked out.