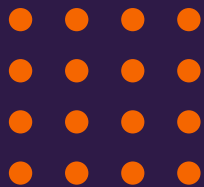




# General Engineering Learning Community & Boyd Scholars

Updated May 23, 2023





# What is the General Engineering Learning Community (GELC)?



The GELC brings together like-minded first-year engineering students who are focused on supporting each other's journey to become successful students and future engineering professionals. GELC students will:

- Learn and practice specific skills on how to be a successful professional.

- Take courses together for engineering, chemistry, mathematics, and professional skills.

The GELC provides a curriculum path that enables students placing in MATH 1050 Precalculus or MATH 1030 Elementary Functions to begin their engineering coursework in the fall semester of their first year.

GELC students will:

- Expand their traditional two-term fall/spring freshman curriculum to three terms.

- Utilize this extra time to build confidence in their academic abilities and absorb difficult concepts in math and engineering while staying on track to graduation.

- Take ENGR 1010 (Engineering Applied Math) instead of MATH 1050 or MATH 1030 during Fall 2023.

  - As part of ENGR 1010, students will work to improve their CMPT score to place in MATH 1060 in Spring 2024.

**There is no cost to participate in the GELC!**

GELC students do not live together on campus – they can live anywhere on campus! This allows the GELC students to participate in other programs, such as Band, ROTC, Connections, RISE, PEER/WISE, etc.



## Who are the Boyd Scholars?

Boyd Scholars are a group of GELC students who will receive an award covering their expenses for tuition and fees for the required summer courses, in addition to their on-campus summer housing and a meal plan.

In the spring semester, GELC students will be able to apply to become Boyd Scholars.

Acceptance as a Boyd Scholar is competitive, and will be based on grades in GELC courses, participation in GELC requirements, strength of the student's application responses, and availability of funding.

*The Boyd Scholars program is made possible by a generous gift from the Darnall W. and Susan F. Boyd Foundation.*



## Saying Yes to the GELC/Boyd Scholar Programs

- ☑ Participate in learning community with other like-minded engineering students
- ☑ Register for graded, for-credit professional/study skills courses
- ☑ Able to begin freshman engineering coursework during Fall 2023 semester
- ☑ Boyd Scholars must take summer courses at Clemson during the long summer session (tuition, room & board paid)
- ☑ GELC students not participating or selected as Boyd Scholars have more flexibility when/where their remaining coursework is taken – either in summer at their own expense or in fall; but fall coursework could delay change of major out of General Engineering until end of Fall 2024.
  - Changing into an engineering major impacts South Carolina state scholarship enhancement monetary amounts.

## Saying No to the GELC/Boyd Scholar Programs

- ☒ Must wait until Spring 2024 to begin freshman engineering coursework
- ☒ Required to complete first year coursework either in summer at their own expense or in fall
- ☒ Fall coursework could delay change of major out of General Engineering until end of Fall 2024.
  - Changing into an engineering major impacts South Carolina state scholarship enhancement monetary amounts.



## What is the difference between the GELC and Boyd Scholars programs?



In the Fall 2023 and Spring 2024 term, there is no difference. All students are part of GELC.

During Spring 2024, GELC students can apply to become Boyd Scholars for Summer 2024.

Students who are named Boyd Scholars ...

Boyd Scholars will take the required courses during Long Summer 2024 session, on campus at Clemson.  
*Courses run May 14 to August 5, with a break from June 17 - 21.*

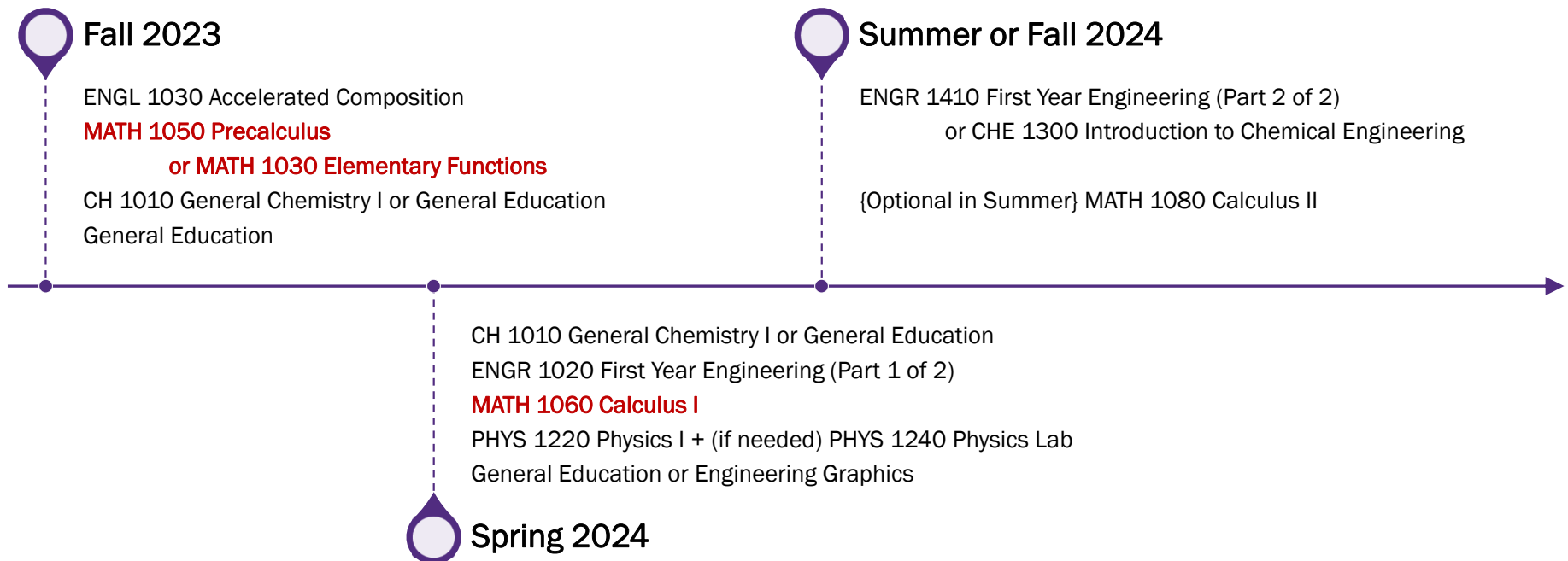
Boyd Scholars award covers expenses for this summer program (tuition/fees for required courses, on-campus housing and meal plan)

Students who are in GELC but do not become Boyd Scholars ...

GELC students can still take the summer courses at Clemson or at a different institution at their own expense

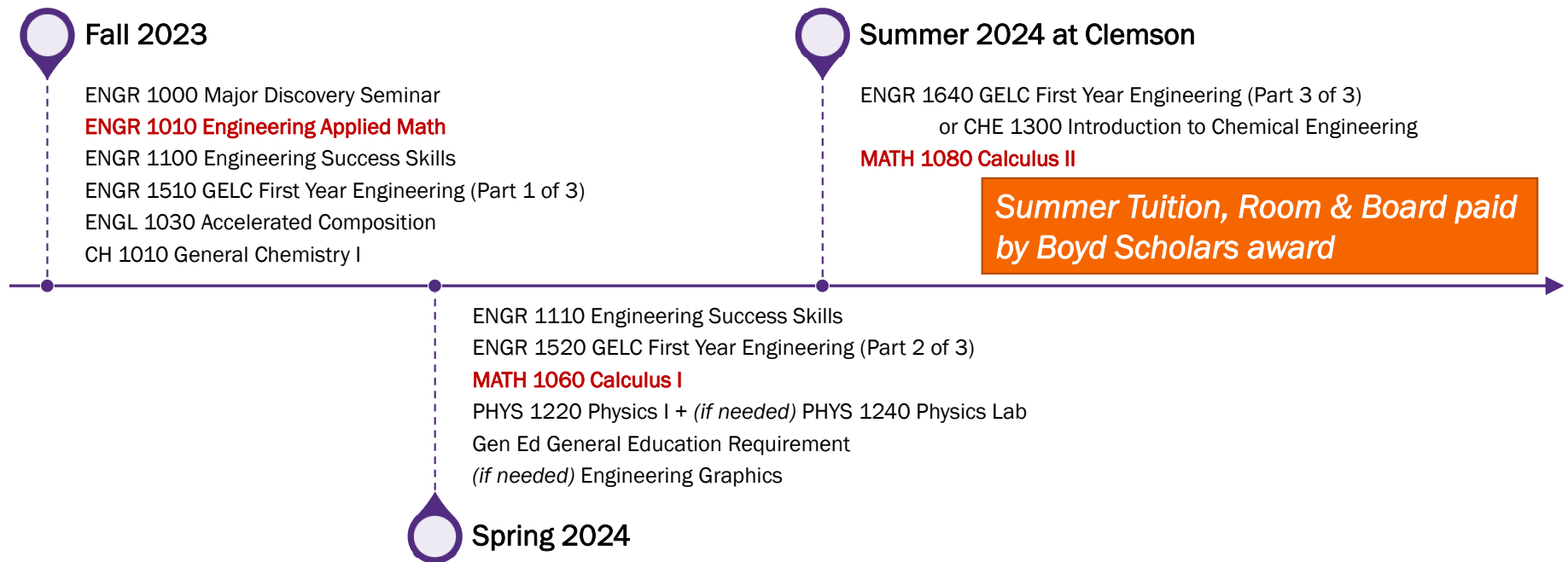
GELC students have the option to continue with courses in the Fall 2024 term instead of summer; *this would delay change of major to December 2024*

# Course Sequence **without** GELC or Boyd Scholars Course Sequence for 2023-2024 Academic Year



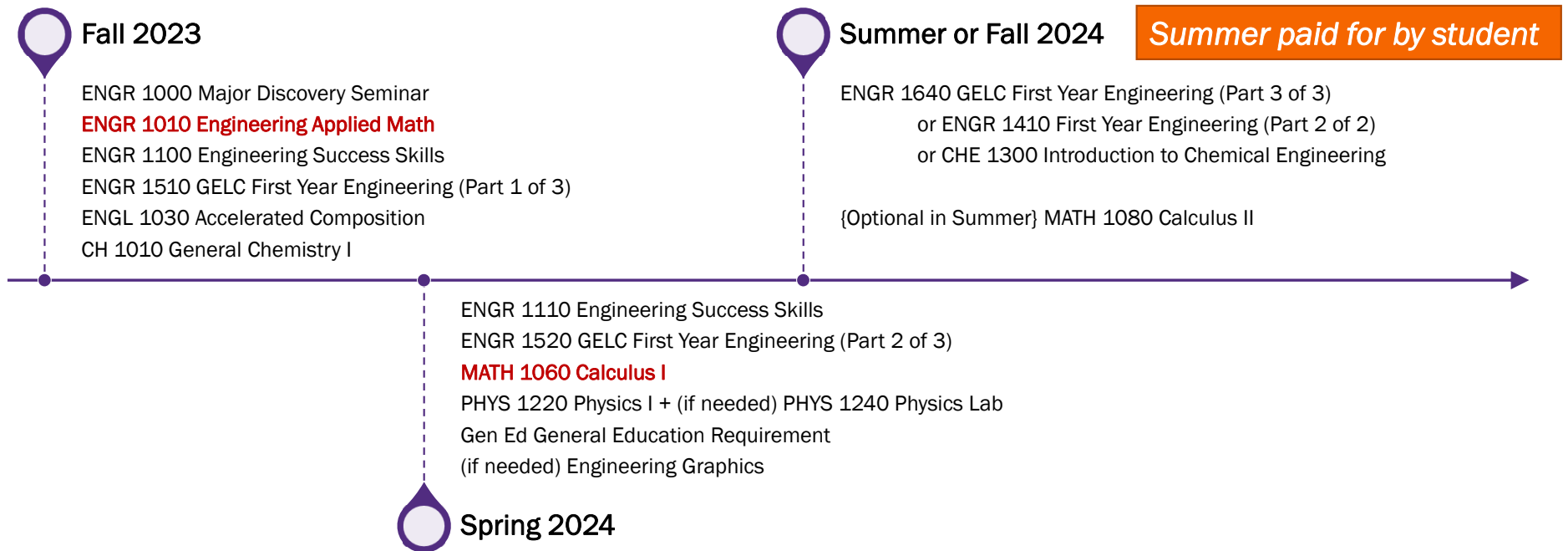
# Course Sequence with GELC and Boyd Scholars

## Course Sequence for 2023-2024 Academic Year



# Course Sequence with GELC, no Boyd Scholars

## Course Sequence for 2023-2024 Academic Year







# General Engineering Learning Community (GELC)

## Course Sequence for 2023-2024 Academic Year



### GELC Course Sequence

#### ■ Fall 2023

- ENGR 1000 Major Discovery Seminar
- ENGR 1010 Engineering Applied Math
- ENGR 1100 Engineering Success Skills
- ENGR 1510 First Year Engineering (Part 1 of 3)
- ENGL 1030 Accelerated Composition
- CH 1010 General Chemistry I

#### ■ Spring 2024

- ENGR 1110 Engineering Success Skills
- ENGR 1520 First Year Engineering (Part 2 of 3)
- MATH 1060 Calculus I
- PHYS 1220 Physics I + (if needed) PHYS 1240 Physics Lab
- Gen Ed General Education Requirement
- (if needed) Engineering Graphics

#### ■ Summer 2024 or Fall 2024

- ENGR 1640 First Year Engineering (Part 3 of 3)  
or ENGR 1410 First Year Engineering (Part 2 of 2)  
or CHE 1300 Introduction to Chemical Engineering
- MATH 1080 Calculus II

(In Fall) + other classes to continue in curriculum

### Typical Course Sequence for General Engineering Students with SAT Math < 640, ACT Math < 27, or CMPT score < 65

#### ■ Fall 2023

- ENGL 1030 Accelerated Composition
- MATH 1050 Precalculus or MATH 1030 Elementary Functions
- CH 1010 General Chemistry I or General Education
- General Education
- (optional) ENGR 1000 Major Discovery Seminar

#### ■ Spring 2024

- CH 1010 General Chemistry I or General Education
- ENGR 1020 First Year Engineering (Part 1 of 2)
- MATH 1060 Calculus I
- PHYS 1220 Physics I + (if needed) PHYS 1240 Physics Lab
- General Education or Engineering Graphics

#### ■ Summer 2024 or Fall 2024

- ENGR 1410 First Year Engineering (Part 2 of 2)  
or CHE 1300 Introduction to Chemical Engineering
- MATH 1080 Calculus II

(In Fall) + other classes to continue in curriculum



# Boyd Scholars

## Course Sequence for 2023-2024 Academic Year



### Boyd Scholars Course Sequence

### Typical Course Sequence for General Engineering Students with SAT Math < 640, ACT Math < 27, or CMPT score < 65

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#### ▪ Summer 2024 or Fall 2024

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or CHE 1300 Introduction to Chemical Engineering
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(In Fall) + other classes to continue in curriculum

**\*\*Students selected as Boyd Scholars will receive an award covering tuition and fees for these on-campus courses, on-campus housing, and a meal plan for the Summer 2024 term**



# Should I plan to join GELC?



## YES, if the following apply to you:

- I did not take AB/IB Calculus in high school
- My SAT Math score is below 640, my ACT Math score is below 27, or my CMPT score on my first attempt is below 65.
- I want to be an engineer, but math is not my strongest subject.
- I did well in high school, but I am concerned about being prepared for college-level courses.
- I felt like I never needed to study in high school, so I am unsure how to study for college-level courses.
- I want to find a community of other engineering students who want to work together and help each other be successful.

## NO, if the following apply to you:

- I took AP/IB calculus in high school, and
  - I earned a score to begin with Calculus I (or higher) in Fall 2023.
  - I plan to take a MATH course during during Summer 2023 to qualify to take Calculus I in Fall 2023.
  - I plan to take the CMPT during Summer 2023 to qualify to take Calculus I in Fall 2023.



# How do I join GELC?

You will be asked on your orientation course form and by your advisor at your summer orientation meeting if you want to join the GELC program.

You can let them know at that time if you would like to participate in GELC for the upcoming academic year.

Please see our website for more information about  
the GELC and Boyd Scholars Programs

<https://www.clemson.edu/cecas/departments/ge/about-us/gelc.html>

Still have questions after visiting our website?  
Contact Dr. Beth Stephan at [bethste@clemson.edu](mailto:bethste@clemson.edu)