

# **Santa Clara First Year Course Plan Generator**

## **User Manual**

December 2014

# Welcome

The **Santa Clara First Year Course Plan Generator** site has been developed to aid incoming SCU engineering freshmen to determine their first year schedule of courses. Currently, its features include:

- Works for both Computer Engineering and Electrical Engineering
- Allows a user to input AP test scores
- Allows a user to indicate presence of previous programming experience
- Allows a user to enter Calculus Readiness Exam score
- Allows a user to indicate other waived courses
- Allows a user to select which quarter ENGR1 is to be taken
- Clean and easy printing

This manual explains how to use the site to generate a customized freshman year schedule.

For all further questions please contact Group 6 via the following email address:  
[jtan3@scu.edu](mailto:jtan3@scu.edu).

Thank you, and enjoy the course plan generator!

# Procedure

1. If you are using a Windows computer, open **index.html** with either Internet Explorer or Mozilla Firefox. If you are using a Mac, open **index.html** with either Safari or Mozilla Firefox.
2. Click the dropdown box labeled “major,” and select “Computer Engineering” or “Electrical Engineering.”

Santa Clara First Year Course Plan Generator

Step 1: Select Major

Major

Step 2: Enter AP Test Scores

Step 3: Enter Previous Programming Experience

Step 4: Enter Calculus Readiness Exam Score

Step 5: Enter Other Coursework

Step 6: Select Quarter to Take ENGR 1

Schedule

Select a major to view a schedule

3. You should now see a schedule appear. This corresponds to the courses you should take for each quarter. If you input information that waives a course in the following steps, you will see the name of the course waived under the schedule. If you have AP Test Scores to input, click on the header labeled “Step 2: Enter AP Test Scores.” If not, skip to #5.

Santa Clara First Year Course Plan Generator

Step 1: Select Major

Computer Engineering

Step 2: Enter AP Test Scores

Step 3: Enter Previous Programming Experience

Step 4: Enter Calculus Readiness Exam Score

Step 5: Enter Other Coursework

Step 6: Select Quarter to Take ENGR 1

Computer Engineering Schedule

Fall	Winter	Spring
MATH 11 - Calculus I	MATH 12 - Calculus II	MATH 13 - Calculus III
COEN 10 - Intro. to Programming + L	COEN 11 - Advanced Programming + L	COEN 12 - Data Structures + L
CTW 1 - Critical Thinking & Writing 1	CTW 2 - Critical Thinking & Writing 2	COEN 19 - Discrete Mathematics
CHEM 11 - Chemistry I + L	PHYS 31 - Physics I + L	PHYS 32 - Physics II + L
ENGR 1 - Intro. to Engineering		

Reset Schedule

Based on the information you have entered so far, you have waived the following classes:

4. If your AP test is not listed, move to the next step. That particular AP test will not affect your schedule. If your AP test is listed, click on the dropdown box beside the test name and select your corresponding score. Repeat this for all the AP tests listed that you have taken.

Santa Clara First Year Course Plan Generator

Step 1: Select Major

Step 2: Enter AP Test Scores

Calculus AB:

Calculus BC:

Chemistry:

Computer Science A:

Environmental Science:

Physics C (Mechanics):

Physics C (Electricity & Magnetism):

Step 3: Enter Previous Programming Experience

Step 4: Enter Calculus Readiness Exam Score

Step 5: Enter Other Coursework

Step 6: Select Quarter to Take ENGR 1

Computer Engineering Schedule

Fall	Winter	Spring
MATH 11 - Calculus I	MATH 12 - Calculus II	MATH 13 - Calculus III
COEN 10 - Intro. to Programming + L	COEN 11 - Advanced Programming + L	COEN 12 - Data Structures + L
CTW 1 - Critical Thinking & Writing 1	CTW 2 - Critical Thinking & Writing 2	COEN 19 - Discrete Mathematics
CHEM 11 - Chemistry I + L	PHYS 31 - Physics I + L	PHYS 32 - Physics II + L
ENGR 1 - Intro. to Engineering		

Reset Schedule

Based on the information you have entered so far, you have waived the following classes:

5. Click the header for “Step 3: Enter Previous Programming Experience.” Click the drop box that shows up, and select either “Yes” or “No” depending on your answer to the question displayed.

Santa Clara First Year Course Plan Generator

Step 1: Select Major

Step 2: Enter AP Test Scores

Step 3: Enter Previous Programming Experience

Step 4: Enter Calculus Readiness Exam Score

Step 5: Enter Other Coursework

Step 6: Select Quarter to Take ENGR 1

Computer Engineering Schedule

Fall	Winter	Spring
MATH 11 - Calculus I	MATH 12 - Calculus II	MATH 13 - Calculus III
COEN 10 - Intro. to Programming + L	COEN 11 - Advanced Programming + L	COEN 12 - Data Structures + L
CTW 1 - Critical Thinking & Writing 1	CTW 2 - Critical Thinking & Writing 2	COEN 19 - Discrete Mathematics
CHEM 11 - Chemistry I + L	PHYS 31 - Physics I + L	PHYS 32 - Physics II + L
ENGR 1 - Intro. to Engineering		

Reset Schedule

Based on the information you have entered so far, you have waived the following classes:

6. If you have taken the Calculus Readiness Exam (CRE) score, click the header for “Step 4: Enter Calculus Readiness Exam Score.” Click the dropdown labeled “Score,” and select the option that describes your CRE score. Note that if you have a score equal to 15 or lower, you will need to take all the courses in the math sequence starting from Math 9. Your Calculus AP test scores are overridden by your CRE score.

Santa Clara First Year Course Plan Generator

Step 1: Select Major

Step 2: Enter AP Test Scores

Step 3: Enter Previous Programming Experience

Step 4: Enter Calculus Readiness Exam Score

Step 5: Enter Other Coursework

Step 6: Select Quarter to Take ENGR 1

Computer Engineering Schedule

Fall	Winter	Spring
MATH 11 - Calculus I	MATH 12 - Calculus II	MATH 13 - Calculus III
COEN 10 - Intro. to Programming + L	COEN 11 - Advanced Programming + L	COEN 12 - Data Structures + L
CTW 1 - Critical Thinking & Writing 1	CTW 2 - Critical Thinking & Writing 2	COEN 19 - Discrete Mathematics
CHEM 11 - Chemistry I + L	PHYS 31 - Physics I + L	PHYS 32 - Physics II + L
ENGR 1 - Intro. to Engineering		

Reset Schedule

Based on the information you have entered so far, you have waived the following classes:

7. If you have other courses that are waived by other reasons, such as community college classes or special permissions, click the header for “Step 5: Enter Other Coursework.” Check the checkbox beside the courses for which you have credit. If you are unsure if you have credit for a certain course, consult an advisor. You may notice that some checkboxes have already been checked. These are courses that have been waived due to your answers in the previous sections.

Santa Clara First Year Course Plan Generator

Step 1: Select Major

Step 2: Enter AP Test Scores

Step 3: Enter Previous Programming Experience

Step 4: Enter Calculus Readiness Exam Score

Step 5: Enter Other Coursework

Step 6: Select Quarter to Take ENGR 1

Computer Engineering Schedule

Fall	Winter	Spring
MATH 13 - Calculus III	MATH 14 - Calculus IV	AMTH 106 - Differential Equations
COEN 10 - Intro. to Programming + L	COEN 11 - Advanced Programming + L	COEN 12 - Data Structures + L
CTW 1 - Critical Thinking & Writing 1	CTW 2 - Critical Thinking & Writing 2	COEN 19 - Discrete Mathematics
CHEM 11 - Chemistry I + L	PHYS 31 - Physics I + L	PHYS 32 - Physics II + L
ENGR 1 - Intro. to Engineering		

Reset Schedule

Based on the information you have entered so far, you have waived the following classes:

- MATH 11
- MATH 12

8. The website automatically selects the quarter with the least labs for you to take ENGR1 in. However, if you want to choose a specific quarter for ENGR1, click the header for “Step 6: Select Quarter to Take ENGR1,” and select the quarter in the dropdown box.

Santa Clara First Year Course Plan Generator

Step 1: Select Major

Step 2: Enter AP Test Scores

Step 3: Enter Previous Programming Experience

Step 4: Enter Calculus Readiness Exam Score

Step 5: Enter Other Coursework

Step 6: Select Quarter to Take ENGR 1

Select a quarter to take ENGR 1. If you select Auto, ENGR 1 will be placed in the quarter with the least number of labs. If two or more quarters tie for the least number of labs, ENGR 1 will be placed in the earliest of these quarters.

Auto

Computer Engineering Schedule

Fall	Winter	Spring
MATH 13 - Calculus III	MATH 14 - Calculus IV	AMTH 106 - Differential Equations
COEN 10 - Intro. to Programming + L	COEN 11 - Advanced Programming + L	COEN 12 - Data Structures + L
CTW 1 - Critical Thinking & Writing 1	CTW 2 - Critical Thinking & Writing 2	COEN 19 - Discrete Mathematics
CHEM 11 - Chemistry I + L	PHYS 31 - Physics I + L	PHYS 32 - Physics II + L
ENGR 1 - Intro. to Engineering		

Based on the information you have entered so far, you have waived the following classes:

- MATH 11
- MATH 12

Reset Schedule

9. You may reset the schedule at any time by clicking the “Reset Schedule” button.

Santa Clara First Year Course Plan Generator

Step 1: Select Major

Step 2: Enter AP Test Scores

Step 3: Enter Previous Programming Experience

Step 4: Enter Calculus Readiness Exam Score

Step 5: Enter Other Coursework

Step 6: Select Quarter to Take ENGR 1

Select a quarter to take ENGR 1. If you select Auto, ENGR 1 will be placed in the quarter with the least number of labs. If two or more quarters tie for the least number of labs, ENGR 1 will be placed in the earliest of these quarters.

Auto

Computer Engineering Schedule

Fall	Winter	Spring
MATH 13 - Calculus III	MATH 14 - Calculus IV	AMTH 106 - Differential Equations
COEN 10 - Intro. to Programming + L	COEN 11 - Advanced Programming + L	COEN 12 - Data Structures + L
CTW 1 - Critical Thinking & Writing 1	CTW 2 - Critical Thinking & Writing 2	COEN 19 - Discrete Mathematics
CHEM 11 - Chemistry I + L	PHYS 31 - Physics I + L	PHYS 32 - Physics II + L
ENGR 1 - Intro. to Engineering		

Based on the information you have entered so far, you have waived the following classes:

- MATH 11
- MATH 12

Reset Schedule

10. To print your schedule, simply use your browser’s print function. For Windows computers, hit ctrl+p. For Macs, hit command+p. You can also click File > Print.

Congratulations! You have successfully generated your first year course plan! Print a copy and bring it to your advisor for your next advising session.