

Santa Clara University

Undergraduate

School of Engineering

Contra Costa College Transfer Guide

For use by Transfer Applicants

Use the **[TRANSFER CREDIT PLANNER](#)** to map out your transfer credit.

Thank you for your interest in Santa Clara University! This guide has been designed to help make the course-planning process easier for students who wish to transfer to the School of Engineering at Santa Clara University.

Admission Recommendations for Transfer Students:

School of Engineering:

Bachelor of Science majors: Bioengineering, Civil Engineering, Computer Science & Engineering, Electrical Engineering, General Engineering, Mechanical Engineering, and Web Design & Engineering

Courses strongly recommended for admission:

- Two English composition courses (aka: *Critical Thinking & Writing 1 & 2*)
- Mathematics: MATH 190 and MATH 191
- One natural science: CHEM 120
- Two calculus-based physics courses: PHYS 130 and PHYS 230
 - Web Design Engineering majors are not required to complete CHEM 120, PHYS 130 & 230. Complete one course in the Natural Science list.
- GPA 3.5

For additional SCU Transfer Admissions information:

<https://www.scu.edu/admission/undergraduate/transfer-students/>

The following information is provided to help transfer students understand and complete additional Santa Clara University Core Curriculum (General Education) and some major requirements.

STRUCTURE OF SANTA CLARA UNIVERSITY GENERAL CORE

Below is a visual representation of Santa Clara University Core Curriculum Requirements. Some Core requirements must be met at SCU: Civic Engagement, Religion, Theology & Culture 2, Science, Technology & Society, Religion, Theology & Culture 3, Experiential Learning for Social Justice, Advanced Writing, and Pathways. Moreover, no courses listed in this guide can fulfill more than one Core requirement.



To learn more about Santa Clara University's Core Curriculum learning goals and objectives, [click here](#).

Note: Current high school students applying as First-Year Students may not transfer courses to fulfill Core Critical Thinking & Writing 1 and 2 or Cultures & Ideas 1 and 2 in addition to the Core requirements listed above that must be met at SCU.

MAXIMUM NUMBER OF TRANSFER UNITS ACCEPTED:

- Santa Clara University is on a quarter system
 - 1 semester unit is equivalent to 1.5 quarter units
- It is recommended to transfer with 30 or more semester units (44 or more quarter units) of transfer credit (not including AP/IB test credit).
- Students are allowed to transfer in a maximum of one-half of the total quarter units required to graduate in their specific program. The maximum number includes credit transferred from another institution and Advanced Placement and International Baccalaureate test credits.

Academic Division	Minimum number of units required for graduation	Maximum transferrable quarter units	Maximum transferrable Semester Unit equivalency
College of Arts and Sciences	175	87.5	58.33
Leavey School of Business	175	87.5	58.33
School of Engineering:			
<i>Bioengineering</i>	191	95.5	63.66
<i>Civil Engineering</i>	196	98	65.33
<i>Computer Science & Engineering and General Engineering</i>	189	94.5	63
<i>Electrical Engineering</i>	190	95	63.33
<i>Mechanical Engineering</i>	192	96	64
<i>Web Design and Engineering</i>	175	87.5	58.33

TRANSFER CREDIT ACCEPTED:

SCU does not give transfer credit for P/NP, CR, or courses with a grade of C- or lower. Grades are not transferable to SCU, only units. However, awarding of degrees with Latin honors is based on all graded undergraduate courses attempted at SCU and courses taken elsewhere that are used towards the fulfillment of a student's degree. Honors will not be awarded above those merited by the student's record at SCU.

The following courses are not transferrable: most first-year seminars, internships, professional development courses, independent study courses, workshops, most physical education courses, most criminal/administration of justice courses, remedial English and remedial mathematics courses.

Santa Clara University only accepts University of California transferable courses. In addition, SCU does not allow the following Contra Costa College UC transferable courses to transfer for credit: English as a Second Language, Kinesiology, Physical Education, and Physical Education Intercollegiate Athletics courses. To view all Contra Costa College's UC transferable courses, visit www.assist.org. UC transferable courses not listed in this guide and not listed above as excluded will be accepted as elective units. After acceptance, students may petition a course that received elective credit to be evaluated, and if approved, fulfill a Core and/or major requirement. Transfer credit evaluations for individual students are completed after admission to SCU. However, the following information will help students evaluate their own course work.

FOUNDATIONS Core requirements

Critical Thinking & Writing 1 and 2 Core Requirement:

To fulfill the Critical Thinking & Writing 1 and 2 Santa Clara University Core requirements, a student must complete one course from the Critical Thinking & Writing 1 course list, and one course from the Critical Thinking & Writing 2 course list below. If both requirements are not satisfied prior to enrollment at SCU, students who have completed fewer than 30 semester units (or 44 quarter units) of transfer credit will be required to take the 2 quarter course sequence at SCU. Students who transfer with 30 or more semester units (or 44 or more quarter units) of transfer credit and have fulfilled the CTW 1 but not the CTW 2 requirement will be required to complete an additional Advanced Writing course at SCU to satisfy the CTW 2 requirement.

CRITICAL THINKING & WRITING 1: Complete one course from list below.

Admission recommendation: Complete Critical Thinking and Writing 1 Core requirement.

Exceptions for taking a course listed below to satisfy CTW 1: Students placed into the 2nd college level English (any course listed under CTW 2), or who scored a 4 or 5 on the AP English Language exam, may substitute the course placement or the test credit for CTW 1. Students are responsible for submitting the appropriate AP CollegeBoard Report at the time of acceptance to receive such credit.

Contra Costa College Course <click back >
ENGL 1A: Composition and Reading

CRITICAL THINKING & WRITING 2: Complete one course from list below.

Admission recommendation: Complete Critical Thinking and Writing 2 Core requirement.

Contra Costa College Course <click back >
ENGL 1B: Composition and Reading- Literature
ENGL 1C: Critical Thinking and Advanced Composition
PHILO 130: Intro to Critical Thinking
SPCH 121I: Critical Thinking & Persuasion (IGETC)

CULTURES & IDEAS 1 and 2 Core Requirements:

To fulfill the Santa Clara University Cultures & Ideas 1 and 2 Core Curriculum requirements, a student must complete one course from the Cultures and Ideas 1 list, and one course from the Cultures and Ideas 2 course list. If both requirements are not satisfied prior to enrollment at SCU, students who have completed fewer than 30 semester units (or fewer than 44 quarter units) of transfer credit will be required to take the 2 quarter course sequence at SCU. Students who transfer with 30 or more semester units (or 44 or more quarter units) and fulfilled the Cultures & Ideas 1 but not the Cultures & Ideas 2 requirement, will be required to take one course instead of the 2-course sequence at SCU. **Although it is not listed as an admission recommendation, it is advised to fulfill the Cultures and Ideas 1 and 2 course sequence prior to enrollment at SCU.**

CULTURES & IDEAS 1: Complete one course from list below.

Transfer courses cannot fulfill more than one Santa Clara University Core requirement. If you already took a course listed below to satisfy a different requirement, you will want to choose a different course to complete.

Contra Costa College Course <click back >
ENGL 210B: British Literature- Late 18 th Century to Present
GEOG 150: California Geography
HIST 120: History of the United States (Colonial - 1865)
HIST 121: History of the United States (1865 – Present)
HIST 124: History of California
HIST 140: History of Western Civilization to the Renaissance
HIST 141: History of Western Civilization Since the Renaissance
LARAZ 113: Intro to Analysis of American Political Institutions
LARAZ 130: Contemporary Chicano/Latino Literature
MUSIC 108: History and Appreciation of Western Music
POLSC 125: Government of the United States

CULTURES & IDEAS 2: Complete one course from list below.

Transfer courses cannot fulfill more than one Santa Clara University Core requirement. If you already took a course listed below to satisfy a different requirement, you will want to choose a different course to complete.

Contra Costa College Course <click back >
ANTHR 130: Cultural Anthropology
ANTHR 150: Magic, Witchcraft and Religion
ART 117: Appreciation of Art and Architecture
ENGL 230B: World Literature- 1650 to Present
GEOG 130: Cultural Geography

GEOG 160: World Regional Geography
HIST 110: History of African Civilization
PHILO 220: Comparative Religion
POLSC 130: Intro to Comparative Government and Politics
POLSC 140: Intro to International Relations
SOCIO 245: Sociology of Race and Ethnicity
SPCH 122: Intercultural Communication

SECOND LANGUAGE

Note: Students accepted in the School of Engineering are not required to fulfill the second language requirement. However, if a student is admitted in the School of Engineering and decides to change schools after enrollment, the student will be required to fulfill the second language requirement at SCU.

MATHEMATICS:

Admission recommendation: Complete MATH 190 and MATH 191

To fulfill the admissions mathematics requirement, complete MATH 190 and MATH 191 listed below. A score of 4 or 5 on the Advanced Placement Calculus BC exams will satisfy the mathematics Admission recommendations. Engineering majors at SCU require the completion of more than one math course (see table at the end of this document for additional courses to complete per major).

Contra Costa College Course <click back >	SCU course equivalency
MATH 190: AnalyGeometry and Calculus I	MATH 11
MATH 191: Analytic Geometry and Calculus II	MATH 13 (If MATH 190 & 191 completed, equates to SCU's MATH 11, 12 & 13)
MATH 200: Intro to Linear Algebra	MATH 53
MATH 290: Analy Geometry and Calculus III	MATH 14
MATH 292: Intro to Differential Equations	MATH 22

Note: A score of 4 or 5 on the AP CALCULUS BC exam will equate to SCU's MATH 11 & 12. SCU does not accept remedial mathematics courses. Although a pre-Calculus course is transferrable, it will not fulfill general University core, major or minor requirements.

RELIGION, THEOLOGY & CULTURE 1: Only needed if transferring with less than 30 semester units of transfer credit. Students transferring with more than 30 semester units of transfer credit will be exempt from this requirement.

Students transferring with less than 30 semester units of transfer credit may complete one course from the list below to satisfy the RTC 1 Core requirement.

Transfer courses cannot fulfill more than one Santa Clara Core requirement. If you already took a course listed below to satisfy a different requirement, you will want to choose a different course to complete.

Contra Costa College Course <click back >
No approved Contra Costa College course equivalencies at time of publication

Note: The 'transferring with more than 30 semester units (or more than 44 quarter units) of transfer credit for the RTC 1 exemption rule does not apply to freshmen applicants.

EXPLORATIONS Core requirements

ETHICS: Complete one course from the list below.

Note: Students accepted in the Leavey School of Business fulfill the Ethics requirement at SCU. Refer to Leavey School of Business Transfer Guide for specific Core and School requirements.

Contra Costa College Course <click back >
PHILO 110: Intro to Philosophy- Ethics

CIVIC ENGAGEMENT: Must be completed at Santa Clara University.

DIVERSITY: US Perspectives: Complete one course from list below.

Transfer courses cannot fulfill more than one Santa Clara Core requirement. If you already took a course listed below to satisfy a different requirement, you will want to choose a different course to complete.

Contra Costa College Course <click back >
AFRAM 110: Intro to African-American Studies
AFRAM 120: Black Experience Through Film

ART 118: Multicultural Survey of American Art
DRAMA 110: African American Theater
ENGL 220B: American Literature- 1850 to Present
ENGL 274: Women in Literature
HIST 122: History of African Americans in the United States (Pre-Colonial – 1865)
HIST 123: History of African Americans in the United States (1865 - Present)
HIST 124: History of California
HIST 127: History of Latinos in the United States (1846 – Present)
HUMAN 113: African-American Humanities
LARAZ 127: History of Latinos in the United States (1846 – Present)
POLSC 225: Dynamics of African-American Politics in America
PSYCH 140: Psychology of African-Americans
SOCIO 221: Social Problems
SOCIO 225: Sociology of African-Americans
SPCH 122: Intercultural Communication

ARTS

School of Engineering students will automatically fulfill the Arts by taking required courses within their major at SCU. However, if a student is admitted in the School of Engineering and decides to change schools after enrollment, the student will be required to fulfill the ARTS requirement by taking a course (s) at SCU. Refer to the College of Arts & Sciences or Leavey School of Business transfer guides for a list of courses that could satisfy the Arts core requirement.

NATURAL SCIENCE (WITH A LAB) Core Requirement: *Complete one course from list below.*

Admission recommendation: *Complete CHEM 120; PHYS 130 & 230*

(Note: Web Design & Engineering major completes one course to satisfy Natural Science core requirement. It is recommended to complete CHEM 120)

Engineering majors at SCU require the completion of more than one science course (see table at the end of this document for additional courses to complete per major).

To satisfy the Core Natural Science requirement, the course must have a lab component.

Contra Costa College Course <click back >	SCU course equivalency
ANTHR 140/140L: Intro to Physical Anthropology w/ Lab	TRCR 18
BIOSC 110: Intro to Biological Sciences	TRCR 18
BIOSC 119: Microbiology	TRCR 18
BIOSC 132: Human Anatomy	TRCR 18
BIOSC 134: Human Physiology	TRCR 18

BIOSC 140: Principles of Biology I	TRCR 18
BIOSC 141: Principles of Biology II	TRCR 18
BIOSC 148: General Microbiology	TRCR 18
BIOSC 157/159: Foundations in Biotechnology w/ Lab	TRCR 18
BIOSC 172/172L: Intro to Biotechnology w/ Lab	TRCR 18
CHEM 119: Intro Chemistry	TRCR 18
CHEM 120: General College Chemistry I	CHEM 11
CHEM 121: General College Chemistry II	CHEM 13 (If CHEM 120 & CHEM 121 completed, equates to SCU's CHEM 11, 12 & 13 sequence)
CHEM 226: Organic Chemistry I	CHEM 31
CHEM 227: Organic Chemistry II	CHEM 33 (If CHEM 226 & CHEM 227 completed, equates to SCU's CHEM 31, 32 & 33 sequence)
GEOG 120/120L: Physical Geography w/ Lab	TRCR 18
GEOL 120/120L: Physical Geology w/ Lab	TRCR 18
PHYS 110/110L: Descriptive Physics w/ Lab	TRCR 18
PHYS 120/120H: General College Physics I	PHYS 11
PHYS 121/121H: General College Physics II	PHYS 13 (If PHYS 120/120H & 121/121H completed, equates to SCU's PHYS 11, 12 & 13 sequence)
PHYS 130: General Physics I	PHYS 31
PHYS 230: General Physics II	PHYS 33
PHYS 231: General Physics III	PHYS 32

SOCIAL SCIENCE: Complete one course from list below.

Note: Students accepted in the Leavey School of Business take ECON 220 & ECON 221 to satisfy the Social Science requirement. Refer to Leavey School of Business Transfer Guide for specific Core and school requirements.

Transfer courses cannot fulfill more than one Santa Clara Core requirement. If you already took a course listed below to satisfy a different requirement, you will want to choose a different course to complete.

Contra Costa College Course <click back >
ANTHR 125: Intro to Archaeology
ECON 220: Intro to Macroeconomics Principles
ECON 221: Intro to Microeconomics Principles
PSYCH 170: Social Psychology
PSYCH 205B: Intro to Research Methods in Psychology w/ Lab
PSYCH 220: General Psychology
SOCIO 220: Intro to Sociology
SOCIO 222: Intro to Research Methods

RELIGION, THEOLOGY & CULTURE 2: Must be completed at Santa Clara University.

CULTURES & IDEAS 3: Complete one course from the list below.

Transfer courses cannot fulfill more than one Santa Clara Core requirement. If you already took a course listed below to satisfy a different requirement, you will want to choose a different course to complete.

Note: Students accepted in the Leavey School of Business fulfill the Cultures and Ideas 3 requirement at SCU. Refer to Leavey School of Business Transfer Guide for specific core and school requirements.

Contra Costa College Course <click back >
ANTHR 130: Cultural Anthropology
ANTHR 150: Magic, Witchcraft and Religion
ART 117: Appreciation of Art and Architecture
ENGL 230B: World Literature- 1650 to Present
GEOG 130: Cultural Geography
GEOG 160: World Regional Geography
HIST 110: History of African Civilization
PHILO 220: Comparative Religion
POLSC 130: Intro to Comparative Government and Politics
POLSC 140: Intro to International Relations
SOCIO 245: Sociology of Race and Ethnicity
SPCH 122: Intercultural Communication

SCIENCE, TECHNOLOGY & SOCIETY: Must be completed at Santa Clara University.

RELIGION, THEOLOGY & CULTURE 3: Must be completed at Santa Clara University.

INTEGRATIONS Core requirements

EXPERIENTIAL LEARNING FOR SOCIAL JUSTICE: Must be completed at Santa Clara University.

ADVANCED WRITING: Must be completed at Santa Clara University

PATHWAYS: Must be completed at Santa Clara University.

Transfer students who matriculate with fewer than 30 semester units (or 44 quarter units) of transfer credit must take 4 courses to fulfill the pathways requirement. However, students transferring in with 30 or more semester units (or 44 or more quarter units) will complete 3 courses to fulfill the Core Pathways requirement.

ADDITIONAL SCHOOL OF ENGINEERING REQUIREMENTS PER MAJOR

The following courses allow students to complete additional School of Engineering requirements.

BIOENGINEERING MAJOR REQUIREMENTS

Contra Costa College Course <click back >	SCU course equivalency
Natural Science:	
<i>No approved course equivalencies at time of publication</i>	BIOE 21 and BIOE 22
<i>No approved course equivalencies at time of publication</i>	BIOL 21, 22 OR BIOL 21, 24, 25
CHEM 120 and CHEM 121 - General College Chemistry I & II	CHEM 11, 12, 13
CHEM 226 and CHEM 227 - Organic Chemistry I & II	CHEM 31, 32, 33
PHYS 130, PHYS 230, and PHYS 231	PHYS 31, 32, 33
Engineering:	
<i>No approved course equivalencies at time of publication</i>	BIOE 10
<i>No approved course equivalencies at time of publication</i>	ENGR 1
ENGIN 200: Engineering Design Graphics	MECH 10
<i>No approved course equivalencies at time of publication</i>	ELEN 21
ENGIN 230: Intro to Circuit Analysis	ELEN 50/50L
ENGIN 170: Programming for Engineering Sci-Matlab	COEN 45 (or 44)
Mathematics:	
MATH 190, 191 AND MATH 290	MATH 11, 12, 13, 14
MATH 292: Intro to Differential Equations	MATH 22

CIVIL ENGINEERING MAJOR REQUIREMENTS

Contra Costa College Course <click back >	SCU course equivalency
Natural Science:	
CHEM 120: General College Chemistry I	CHEM 11/11L
PHYS 130, PHYS 230, and PHYS 231	PHYS 31, 32, 33
<i>No approved course equivalencies at time of publication</i>	CENG 20/20L
Engineering:	
<i>No approved course equivalencies at time of publication</i>	ENGR 1
ENGIN 230: Intro to Circuit Analysis	ELEN 50/50L
ENGIN 200: Engineering Design Graphics	MECH 10
<i>No approved course equivalencies at time of publication</i>	CENG 7/7L
<i>No approved course equivalencies at time of publication</i>	CENG 10/10L
ENGIN 255: Statics	CENG 41
<i>No approved course equivalencies at time of publication</i>	CENG 44A/44AL
Mathematics:	
MATH 190, 191 AND MATH 290	MATH 11, 12, 13, 14
MATH 292: Intro to Differential Equations	MATH 22

COMPUTER SCIENCE & ENGINEERING

Contra Costa College Course <click back >	SCU course equivalency
Natural Science:	
CHEM 120: General College Chemistry I	CHEM 11
PHYS 130, PHYS 230, and PHYS 231	PHYS 31, 32, 33
Engineering:	
<i>No approved course equivalencies at time of publication</i>	ENGR 1
ENGIN 230: Intro to Circuit Analysis	ELEN 50/50L
<i>No approved course equivalencies at time of publication</i>	COEN 10 (AP Comp Sci A exam with score of 3, 4 or 5 receives SCU's COEN 10 equivalency)
<i>No approved course equivalencies at time of publication</i>	COEN 11, 12, 19, 20, 21, 70 (AP Comp Sci A score of 4 or 5 equates to SCU's COEN 10, 11)
Mathematics:	
MATH 190, 191 AND MATH 290	MATH 11, 12, 13, 14
MATH 292: Intro to Differential Equations	MATH 22
MATH 200: Intro to Linear Algebra	MATH 53

ELECTRICAL ENGINEERING

Contra Costa College Course <click back >	SCU course equivalency
Natural Science:	
CHEM 120: General College Chemistry I	CHEM 11
CHEM 121 OR MATH 200	CHEM 12 OR MATH 53
PHYS 130, PHYS 230, and PHYS 231	PHYS 31, 32, 33
<i>No approved course equivalencies at time of publication</i>	PHYS 34
Engineering:	
<i>No approved course equivalencies at time of publication</i>	ENGR 1
ENGIN 255: Statics	CENG 41
ENGIN 170: Programming for Engineering Sci- Matlab <i>No approved equivalencies for COEN 11/12 at time of publication</i>	COEN 44 OR (COEN 11 AND COEN 12)
<i>No approved course equivalencies at time of publication</i>	ELEN 20, 21, 33
ENGIN 230: Intro to Circuit Analysis	ELEN 50/50L
Mathematics:	
MATH 190, 191 AND MATH 290	MATH 11, 12, 13, 14
MATH 292: Intro to Differential Equations	MATH 22

GENERAL ENGINEERING

Contra Costa College Course <click back >	SCU course equivalency
Natural Science:	
CHEM 120: General College Chemistry I	CHEM 11
PHYS 130, PHYS 230, and PHYS 231	PHYS 31, 32, 33
Engineering:	
<i>No approved course equivalencies at time of publication</i>	ENGR 1
<i>No approved course equivalencies at time of publication</i>	BIOE 10
ENGIN 255: Statics	CENG 41
<i>No approved course equivalencies at time of publication</i>	CENG 43/43L
<i>No approved course equivalencies at time of publication</i>	COEN 10/10L, COEN 21, 21L
ENGIN 230: Intro to Circuit Analysis	ELEN 50/50L
ENGIN 200: Engineering Design Graphics	MECH 10/10L
<i>No approved course equivalencies at time of publication</i>	MECH 11/11L
Mathematics:	
MATH 190, 191 AND MATH 290	MATH 11, 12, 13, 14
MATH 292: Intro to Differential Equations	MATH 22

MECHANICAL ENGINEERING

Contra Costa College Course <click back >	SCU course equivalency
Natural Science:	
CHEM 120: General College Chemistry I	CHEM 11
PHYS 130, PHYS 230, and PHYS 231	PHYS 31, 32, 33
Engineering:	
ENGIN 170: Programming for Engineering Sci-Matlab	COEN 44/44L or 45/45L
ENGIN 255: Statics	CENG 41
<i>No approved course equivalencies at time of publication</i>	CENG 43/43L
ENGIN 230: Intro to Circuit Analysis	ELEN 50/50L
<i>No approved course equivalencies at time of publication</i>	ENGR 1
ENGIN 200: Engineering Design Graphics	MECH 10/10L
<i>No approved course equivalencies at time of publication</i>	MECH 11/11L
ENGIN 240: Properties of Engineering Materials	MECH 15/15L
Mathematics:	
MATH 190, 191 AND MATH 290	MATH 11, 12, 13, 14
MATH 292: Intro to Differential Equations	MATH 22

WEB DESIGN AND ENGINEERING

Contra Costa College Course <click back >	SCU course equivalency
Natural Science: <i>fulfilled with one course from Natural Science list.</i>	
CHEM 120: General College Chemistry I	CHEM 11 (<i>recommended</i>)
Engineering:	
<i>No approved course equivalencies at time of publication</i>	ENGR 1
<i>No approved course equivalencies at time of publication</i>	COEN 10, 11, 12, 60 OR CSCI 10, 60, 61 (<i>AP COMP SCI A exam with score of 3 equates to SCU's COEN 10/10L, score of 4 or 5 equates to SCU's COEN 10/10L and 11/11L OR CSCI 10</i>)
Mathematics:	
MATH 190, 191 AND MATH 290	MATH 11, 12, 13, 14
<i>No approved course equivalencies at time of publication</i>	AMTH 108 (OR MATH 122)

Additional notes:

- Consult the current Undergraduate Bulletin for Advanced Placement and International Baccalaureate test credit equivalencies at: <https://www.scu.edu/academics/course-catalogs/undergraduate-bulletin/>
- Consult the Santa Clara University Undergraduate Bulletin for additional requirements in a major. The Bulletin can be found at: <https://www.scu.edu/academics/course-catalogs/undergraduate-bulletin/>
- Once students are admitted to Santa Clara University, they must abide by the policies, regulations and other requirements outlined in the Undergraduate Bulletin for their cohort year.
- **Per SCU policy, transfer credit earned after enrollment cannot satisfy University Core, major or minor requirements.** Refer to the SCU Undergraduate Bulletin for additional transfer credit restrictions at: <https://www.scu.edu/academics/course-catalogs/undergraduate-bulletin/>
- This guide is to be used by transfer applicants, not First-Year (aka: freshmen) applicants. Admitted First-Year students must complete the following Core requirements at SCU: Critical Thinking & Writing 1 and 2; Cultures & Ideas 1 and 2; Religion Theology & Culture 1 (unless transfer credit for a course was preapproved to fulfill the Core RTC 1 requirement); Civic Engagement; Religion, Theology & Culture 2 and 3 (taken in sequence order after RTC 1 is completed); Science, Technology & Society; Experiential Learning for Social Justice; Advanced Writing; and four Pathway courses.

For questions regarding transfer credit or AP/IB test credit, contact Sheli Whiting, Transfer Record Analyst at: swhiting@scu.edu.

Disclosure: The information contained in this document is to be used as a guide for the purpose of admissions into Santa Clara University. This information is reviewed periodically and the date of the most recent update is noted in the bottom right-hand corner of this guide. Students are responsible to make sure that any courses taken are listed on this guide at the time of actual enrollment. Transferability is not guaranteed and is up to our discretion, largely based upon the Santa Clara University core curriculum in effect at the time of admission.

Santa Clara University

School of Engineering

TRANSFER CREDIT PLANNER CHECK-SHEET

*Admission recommendations

University Core Requirement Course Completed or IP (In Progress)

FOUNDATIONS

- Critical Thinking & Writing 1*
Critical Thinking & Writing 2*
Cultures & Ideas 1
Cultures & Ideas 2
Mathematics* Satisfied within major requirements at SCU
Religion Theology & Culture 1
(Students transferring with 30 or more semester units (or 44 or more quarter units) of transfer credit will be exempt from completing one RTC Core requirement)

EXPLORATIONS

- Ethics
Civic Engagement Must be completed at Santa Clara
Diversity: U.S. Perspectives
Arts Satisfied within major requirements at SCU
Natural Science w/Lab* Satisfied within major requirements at SCU
Social Science
Religion, Theology & Culture 2 Must be completed at Santa Clara
Cultures & Ideas 3
Science, Technology & Society Must be completed at Santa Clara
Religion, Theology & Culture 3 Must be completed at Santa Clara

INTEGRATIONS

- E LSJ Must be completed at Santa Clara University
Advanced Writing Must be completed at Santa Clara University
Pathways Must be completed at Santa Clara University

SCHOOL OF ENGINEERING REQUIREMENTS

(Refer to the School of Engineering website for individual major requirements at: https://www.scu.edu/engineering/undergraduate/degree-programs/)

Engineering School Requirement Course completed or IP (In Progress)

MATHEMATICS*

- Calculus and Analytic Geometry I*
Calculus and Analytic Geometry II*
Intermediate Calculus III/IV
Differential Equations

NATURAL SCIENCE*

- General Chemistry*
General Chemistry (2nd sem)
Engineering Phys*
Engineering Phys*
Engineering Phys*

ADDITIONAL ENGINEERING MAJOR Requirements

- Intro to Engineering (OPTIONAL)
Intro to Circuit Analysis
Engineering Graphics
Computer Programming

TOTAL SEMESTER UNITS x 1.5 = TOTAL QUARTER UNITS**

**Note: Refer to the chart listing the maximum number of units allowed to transfer (including AP/IB test credit) per major located on the SCU Undergraduate Admissions webpage at: https://www.scu.edu/admission/undergraduate/transfer-students/transferring-credits/. The time needed to complete a degree offered in the School of Engineering will depend on the total number of units accepted and their distribution toward satisfying SCU Core, School of Engineering and major requirements.