

Santa Clara University
Undergraduate
School of Engineering
Canada 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 251 and MATH 252
- One natural science: CHEM 210
- Two calculus-based physics courses: PHYS 250 and PHYS 260
 - Web Design Engineering majors are not required to complete CHEM 210, PHYS 250 & 260. Complete one course in the Natural Science list.
- GPA 3.5

For additional SCU Transfer Admissions information:

<http://www.scu.edu/ugrad/transfer/>

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 freshmen 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>	195	97.5	65
<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	96
<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 Canada College UC transferable courses to transfer for credit: Career and Personal Development, English as a Second Language, Fashion Design, most Health Science, Interior Design, most Kinesiology and Physical Education, Physical Education Individual, Intercollegiate Sports, Team Sports and Physical Education Theory courses. To view all Canada 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. 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 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.

Canada College Course
ENGL 100: Reading and Composition

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

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

Canada College Course
ENGL 110: Composition, Literature and Critical Thinking
ENGL 165: Advanced Composition
PHIL 103: Critical Thinking

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.

Canada College Course
ART 101: Ancient, Classical and Medieval Art History
ART 102: Late Medieval, Renaissance and Baroque Art History
ART 103: Eighteenth and Nineteenth Century Art History
ART 104: History of Modern Art
ART 250: The Art History of Rome
BUS 100: Contemporary American Business
BUS 201: Business Law
DRAM 101: History of Theatre
DRAM 142: Great Plays- Classical and Renaissance
DRAM 143: Great Plays- Modern Era
ECON 230: Economic History of the United States
HIST 100: History of Western Civilization I
HIST 101: History of Western Civilization II
HIST 102: History of American Civilization
HIST 104: World History I
HIST 106: World History II
HIST 201: U.S. History through 1877
HIST 202: U.S. History from 1877 to Present
HIST 205: Religion in America
HIST 310: California History
HIST 421: History of the Americas
LIT 142: Great Plays- Classical and Renaissance
LIT 143: Great Plays- Modern Era
LIT 301: Masterpieces of Classical and European Literature I
MUSC 240: Music of the Americas
PHIL 160: History of Philosophy- Ancient and Medieval
PHIL 175: History of Philosophy – 16 th to 18 th C

PHIL 190: Contemporary Philosophy
SOCI 100: Introduction to Sociology

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.

Canada College Course
ANTH 110: Cultural Anthropology
ANTH 200: Ethnographic Film
ANTH 351: Intro to Archaeology and World Prehistory
ART 105: Art of Asia and the Near East
BUS 335: Theories and Practice of Global Business
DRAM 160: Latin America Theatre
GEOG 110: Cultural Geography
HIST 104: World History I
HIST 106: World History II
HIST 243: African History
HIST 422: Modern Latin America
HIST 451: Far Eastern Civilization and Heritage I
HIST 452: Far Eastern Civilization and Heritage II
HIST 455: Middle Eastern History
LIT 205: New Voices in World Literature
LIT 373: Latin American Literature in Translation
MUSC 250: World Music
PHIL 300: Intro to World Religions
PHIL 320: Asian Philosophy
PLSC 103: Critical Thinking About World Politics
PLSC 130: Intro to International Relations
PLSC 170: Intro to Comparative Politics
PLSC 320: Latin American Politics

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 MATH251 and MATH 252

To fulfill the admissions mathematics requirement, complete both MATH 251 & 252 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).

Canada College Course	SCU Course
MATH 251: Analyt Geom & Calc I	MATH 11
MATH 252: Analyt Geom & Calc II	MATH 13 (If MATH 110A & 100B completed, equates to SCU's MATH 11, 12, & 13)
MATH 253: Analyt Geom & Calc III	MATH 14
MATH 268: Discrete Mathematics	MATH 51 OR COEN 19
MATH 270: Linear Algebra	MATH 53
MATH 275: Differential Equations	MATH 22

Note: SCU does not accept remedial mathematics courses. Although a pre-Calculus course is transferrable, it will not fulfill any general 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.

Canada College Course
HIST 205: Religion in America
PHIL 300: Introduction to World Religions

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 are required to fulfill the Ethics requirement at SCU. Refer to Leavey School of Business Transfer Guide for specific Core and School requirements.

Canada College Course
PHIL 240: Introduction to 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.

Canada College Course
HIST 242: African-American History
HIST 245: Race, Ethnicity and Immigration in the US
HIST 246: History of Latinos in the US
HIST 247: Women in US History
LIT 252: Women Writers- Multicultural Perspectives
LIT 370: Readings in Literature of the Latino in the United States
LIT 373: Mexican-American Lit
LIT 375: Native-American Lit
SOCI 105: Social Problems
SOCI 141: Ethnicity and Race in
SOCI 254: Sociology of Women

ARTS: Complete one course or several courses from the list below.

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 210 and PHYS 250 & 260*

(Note: Web Design & Engineering major completes one course to satisfy Natural Science core requirement. It is recommended to complete CHEM210)

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).

When a Canada course does not have a direct SCU course equivalent, but fulfills the Natural Science Core requirement, a transfer credit (TRCR) code of TRCR 18 is assigned.

Canada College Course		SCU Course Equivalency
ANTH 125/126: Physical Anthropology w/ Lab		TRCR 18: Core Natural Science
ASTR 100/101: Intro to Astron w/ Lab		TRCR 18: Core Natural Science
BIO 110: Principles of Biology		TRCR 18: Core Natural Science
BIO 130/132: Human Biology w/ Lab		TRCR 18: Core Natural Science
BIO 225: Biology of Organisms		BIOL 21
BIO 230: Molecular Biology		BIOL 24/25
BIO 240: General Microbiology		TRCR 18: Core Natural Science
BIO 250: Human Anatomy		TRCR 18: Core Natural Science
BIO 260: Human Physiology		TRCR 18: Core Natural Science
CHEM 192: Elementary Chemistry		TRCR 18: Core Natural Science
CHEM 210: General Chemistry I		CHEM 11
CHEM 220: General Chemistry II		CHEM 13 (If CHEM 210 & 220 completed, equates to SCU's CHEM 11, 12 & 13)
CHEM 231: Organic Chemistry		CHEM 31
CHEM 235/238: Organic Chem II w/ Lab		CHEM 33 (If CHEM 231 & CHEM 235 w/238 completed, equates to SCU's CHEM 31, 32 & 33)
GEOL 100/101: Intro to Geol w/ Lab		CENG 20/20L
OCEN 100/101: Oceanog w/ Lab		TRCR 18: Core Natural Science
PHYS 210: General Physics I		PHYS 11
PHYS 220: General Physics II		PHYS 13 (If CHEM 210 & 220 completed, equates to SCU's CHEM 11, 12 & 13)
PHYS 250: Physics with Calculus I		PHYS 31
PHYS 260: Physics with Calculus II		PHYS 33 (If PHYS 250 & 260 completed, equates to SCU's PHYS 31, 32 & 33)
PHYS 270: Physics with Calculus III		PHYS 34 (If PHYS 250, 260 & 270, will equate to SCU's PHYS 31, 32, 33 & 34)

SOCIAL SCIENCE: Complete one course from list below.

Note: Students accepted in the Leavey School of Business take 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.

Canada College Course
ANTH 105: Peoples and Cultures of the World
ANTH 110: Cultural Anthropology
ANTH 351: Archaeology
ECON 100: Principles of Macro Economics
ECON 102: Principles of Micro Economics
GEOG 110: Cultural Geography
PLSC 103: Critical Thinking about World Politics
PLSC 130: Intro to International Relations
PLSC 150: Intro to Political Theory
PLSC 170: Intro to Comparative Politics
PLSC 200: National, State and Local Governments
PLSC 210: American Politics
PSYC 100: General Psychology
PSYC 300: Social Psychology
SOCI 100: Intro to Sociology
SOCI 105: Social Problems
SOCI 141: Ethnicity and Race in Society

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.

Canada College Course
ANTH 110: Cultural Anthropology
ANTH 200: Ethnographic Film
ANTH 351: Intro to Archaeology and World Prehistory

ART 105: Art of Asia and the Near East
DRAM 160: Latin America Theatre
GEOG 110: Cultural Geography
HIST 104: World History I
HIST 106: World History II
HIST 243: African History
HIST 422: Modern Latin America
HIST 451: Far Eastern Civilization and Heritage I
HIST 452: Far Eastern Civilization and Heritage II
HIST 455: Middle Eastern History
LIT 205: New Voices in World Literature
LIT 373: Latin American Literature in Translation
MUS 240: Music of the Americas
MUS 250: World Music
PHIL 300: Intro to World Religions
PHIL 320: Asian Philosophy
PLSC 103: Critical Thinking About World Politics
PLSC 130: Intro to International Relations
PLSC 170: Intro to Comparative Politics
PLSC 320: Latin American Politics

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 44 quarter units (or fewer than 30 semester units) must take 4 courses to fulfill the pathways requirement. However, students transferring in with more than 44 quarter units (or with 30 semester units or more) 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

Canada College Course	SCU course equivalency
Natural Science:	
BIO 225: Biology of Organisms	BIOL 21
<i>No approved Canada course equivalencies</i>	BIOL 22/23
BIO 230: Molecular Biology	BIOL 24/25
CHEM 210: General Chemistry I	CHEM 11
CHEM 220: General Chemistry II	CHEM 13 (If CHEM 210 & 220 completed, equates to SCU's CHEM 11,12, 13 sequence)
CHEM 231: Organic Chemistry	CHEM 31
CHEM 235/238: Organic Chemistry II w/Lab	CHEM 33 (If CHEM 231 & 235/238 completed, equates to SCU's CHEM 31, 32, & 33)
PHYS 250: Physics w/ Calc I	PHYS 31
PHYS 260: Physics w/Calc II	PHYS 33 (If PHYS 250 & 260 completed, equates to SCU PHYS 31,32,33 sequence)
Engineering:	
ENGR 100: Introduction to Engineering	ENGR 1
ENGR 260/261: Circuits & Devices	ELEN 50/50L
ENGR 410+413: Comp Aided Graphics/Design	MECH 10/10L
ENGR 215: Computational Methods for Engr	COEN 44/44L (or COEN 45/45L)
Mathematics:	
MATH 251: Analyt Geom & Calc I	MATH 11
MATH 252: Analyt Geom & Calc II	MATH 13 (If Math 251 & 252 completed, equates to SCU's MATH 11, 12, 13)
MATH 253: Analyt Geom & Calc III	Math 14
MATH 275: Differential Equations	Math 22

CIVIL ENGINEERING MAJOR REQUIREMENTS

Canada College Course	SCU course equivalency
Natural Science:	
CHEM 210: General Chemistry I	CHEM 11
PHYS 250: Physics w/ Calc I	PHYS 31
PHYS 260: Physics w/Calc II	PHYS 33 (If PHYS 250 & 260 completed, equates to SCU PHYS 31,32,33 sequence)
GEOL 100/101: Intro Geology/Geology Lab	CENG 20/20L
Engineering:	

ENGR 111: Surveying	CENG 10/10L
ENGR 100: Introduction to Engineering	ENGR 1
ENGR 260/261: Circuits & Devices	ELEN 50/50L
ENGR 210: Engineering Graphics	CENG 7/7L
ENGR 230: Statics	CENG 41
Mathematics:	
MATH 251: Analyt Geom & Calc I	MATH 11
MATH 252: Analyt Geom & Calc II	MATH 13 (If Math 251 & 252 completed, equates to SCU's MATH 11, 12, 13)
MATH 253: Analyt Geom & Calc III	MATH 14
MATH 275: Ordinary Differential Equations	MATH 22

COMPUTER SCIENCE & ENGINEERING

Canada College Course	SCU course equivalency
Natural Science:	
CHEM 210: General Chemistry I	CHEM 11
PHYS 250: Physics w/ Calc I	PHYS 31
PHYS 260: Physics w/Calc II	PHYS 33 (If PHYS 250 & 260 completed, equates to SCU PHYS 31,32,33 sequence)
Engineering:	
ENGR 100: Introduction to Engineering	ENGR 1
ENGR 260/261: Circuits & Devices	ELEN 50/50L
CIS 250/251: Programming Methods I/Lab I	COEN 11/11L
CIS 252/253: Programming Methods II/Lab II	COEN 12/12L
MATH 268: Discrete Mathematics	COEN 19
Mathematics:	
MATH 251: Analyt Geom & Calc I	MATH 11
MATH 252: Analyt Geom & Calc II	MATH 13 (If Math 251 & 252 completed, equates to SCU's MATH 11, 12, 13)
MATH 253: Analyt Geom & Calc III	MATH 14
MATH 275: Ordinary Differential Equations	MATH 22

ELECTRICAL ENGINEERING

Canada College Course	SCU course equivalency
Natural Science:	
BIO 225: Biology of Organisms	BIOL 21
CHEM 210: General Chemistry I	CHEM 11
CHEM 220: General Chemistry II	CHEM 13 (If CHEM 210 & 220 completed, equates to SCU's CHEM 11,12, 13 sequence)
PHYS 250: Physics w/ Calc I	PHYS 31
PHYS 260: Physics w/Calc II	PHYS 33 (If PHYS 250 & 260 completed, equates to SCU PHYS 31,32,33 sequence)
PHYS 270 : Physics with Calculus III	PHYS 34
Engineering:	
ENGR 100: Introduction to Engineering	ENGR 1
ENGR 260/261: Circuits & Devices	ELEN 50/50L

ENGR 230: Statics	CENG 41
CIS 250/251: Programming Methods I/Lab I	COEN 11/11L
CIS 252/253: Programming Methods II/Lab II	COEN 12/12L
Mathematics:	
MATH 251: Analyt Geom & Calc I	MATH 11
MATH 252: Analyt Geom & Calc II	MATH 13 (If Math 251 & 252 completed, equates to SCU's MATH 11, 12, 13)
MATH 253: Analyt Geom & Calc III	MATH 14
MATH 275: Ordinary Differential Equations	MATH 22

GENERAL ENGINEERING

Canada College Course	SCU course equivalency
Natural Science:	
CHEM 210: General Chemistry I	CHEM 11
PHYS 250: Physics w/ Calc I	PHYS 31
PHYS 260: Physics w/Calc II	PHYS 33 (If PHYS 250 & 260 completed, equates to SCU PHYS 31,32,33 sequence)
Engineering:	
ENGR 100: Introduction to Engineering	ENGR 1
ENGR 260/261: Circuits & Devices	ELEN 50/50L
ENGR 410+413: Comp Aid Graphic/Design	MECH 10/10L
<i>No approved Canada course equivalency</i>	MECH 11
ENGR 270: Materials Science	MECH 15/15L
ENGR 230: Statics	CENG 41
CIS 118: Intro to Object-Oriented Program	COEN 10/10L
Mathematics:	
MATH 251: Analyt Geom & Calc I	MATH 11
MATH 252: Analyt Geom & Calc II	MATH 13 (If Math 251 & 252 completed, equates to SCU's MATH 11, 12, 13)
MATH 253: Analyt Geom & Calc III	MATH 14
MATH 275: Ordinary Differential Equations	MATH 22

MECHANICAL ENGINEERING

Canada College Course	SCU course equivalency
Natural Science:	
CHEM 210: General Chemistry I	CHEM 11
PHYS 250: Physics w/ Calc I	PHYS 31
PHYS 260: Physics w/Calc II	PHYS 33 (If PHYS 250 & 260 completed, equates to SCU PHYS 31,32, 33 sequence)
Engineering:	
ENGR 100: Introduction to Engineering	ENGR 1
ENGR 260/261: Circuits & Devices	ELEN 50/50L
ENGR 410+413: Comp Aid Graphics/Design	MECH 10/10L
<i>No approved Canada course equivalency</i>	MECH 11
ENGR 270: Materials Science	MECH 15/15L
ENGR 230: Statics	CENG 41
ENGR 215: Computational Methods for Engr	COEN 44/44L

Mathematics:	
MATH 251:Analyt Geom & Calc I	MATH 11
MATH 252:Analyt Geom & Calc II	MATH 13 (If Math 251 & 252 completed, equates to SCU's MATH 11, 12, 13)
MATH 253:Analyt Geom & Calc III	MATH 14
MATH 275: Ordinary Differential Equations	MATH 22

WEB DESIGN AND ENGINEERING

Canada College Course	SCU course equivalency
Natural Science:	
CHEM 210: General Chemistry I (<i>Recommended</i>)	CHEM 11
Engineering:	
ENGR 100: Introduction to Engineering	ENGR 1
CIS 250/251: Programming Methods I/Lab I	COEN 11/11L
CIS 252/253: Programming Methods II/Lab II	COEN 12/12L
Mathematics:	
MATH 251:Analyt Geom & Calc I	MATH 11
MATH 252:Analyt Geom & Calc II	MATH 13 (If Math 251 & 252 completed, equates to SCU's MATH 11, 12, 13)
MATH 253:Analyt Geom & Calc III	MATH 14

Additional notes:

- Consult the current Undergraduate Bulletin for Advanced Placement and International Baccalaureate test credit equivalencies at: <http://www.scu.edu/academics/bulletins/undergraduate/>
- Consult the Santa Clara University Undergraduate Bulletin for additional requirements in a major. The Bulletin can be found at: <http://www.scu.edu/academics/bulletins/undergraduate/>
- 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 policy, transfer credit earned after enrollment at SCU cannot satisfy University Core, major or minor requirements.** Refer to the SCU Undergraduate Bulletin for additional transfer credit restrictions at: <http://www.scu.edu/academics/bulletins/undergraduate/>
- This guide is to be used by transfer applicants, not freshmen applicants. Admitted freshmen 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 more than 30 semester units of transfer credit will be exempt from this 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 individual major charts on page 12 of transfer guide)

Engineering School Requirement Course completed or IP (In Progress)

MATHEMATICS*

- Calculus and Analytic Geometry I*
Calculus and Analytic Geometry II*
Intermediate Calculus
Differential Equations

NATURAL SCIENCE*

- General Chemistry*
General Chemistry (2nd sem)
Engineering Phys - Mech *
Engineering Phys- Electr & Mag*
Modern Physics

ADDITIONAL ENGINEERING MAJOR Requirements

- Intro to Engineering
Intro to Circuit Analysis
Engineering Graphics
Computer Programming I
Computer Programming II

Total Semester UNITS

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.