

Santa Clara University

School of Engineering

For use by Transfer Applicants

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

- ELSJ 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\*
Calculus and Analytic Geom III/IV
Differential Equations

NATURAL SCIENCE\*

- General Chemistry\*
Physics w/ Calculus \*
Physics w/ Calculus \*
Physics w/ Calculus \*

ADDITIONAL ENGINEERING MAJOR Requirements

- Bioengineering
Civil Engineering
Computer Science and Engineering
Electrical & Computer Engineering
Electrical Engineering
General Engineering
Mechanical Engineering
Web Design and Engineering

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 Admission webpage at: http://www.scu.edu/ugrad/transfer/

# *Santa Clara University*

*Undergraduate*

## **School of Engineering**

### **Skyline 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 and Computer 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 course with a lab: 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

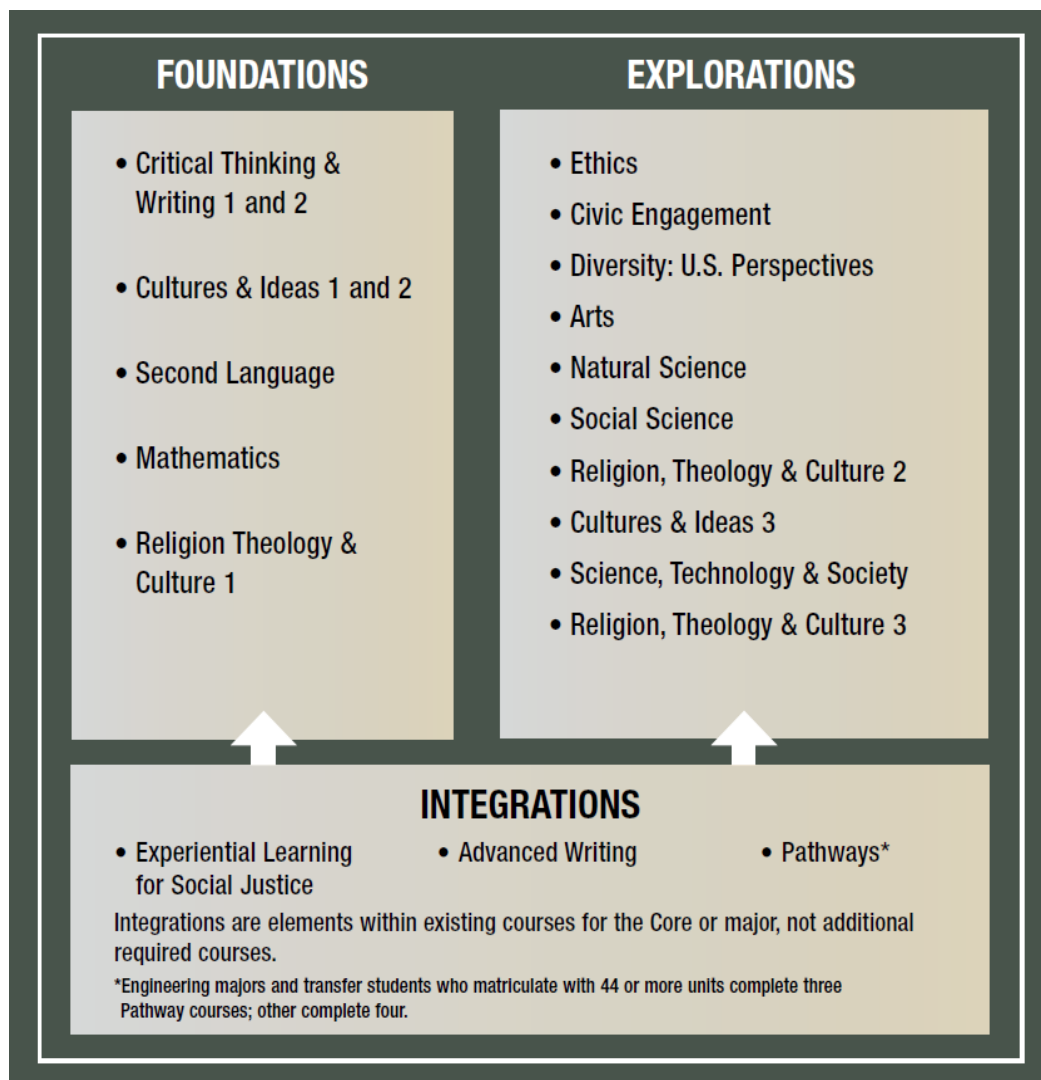
For additional SCU Transfer Admissions information:

<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) 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, Religion Theology and Culture 1 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 High-Level International Baccalaureate and University of Cambridge A-Level test credits.

Academic Division	Minimum number of units required for graduation	Maximum transferrable <b>Quarter</b> units	Maximum transferrable <b>Semester</b> unit equivalency
<b>College of Arts and Sciences</b>	175	87.5	58.33
<b>College of Arts and Sciences: <i>Engineering Physics</i></b>	193	96.5	64.33
<b>Leavey School of Business</b>	175	87.5	58.33
<b>School of Engineering:</b>			
<i>Bioengineering</i>	191	95.5	63.66
<i>Civil Engineering</i>	195	97.5	65
<i>Computer Science &amp; Engineering and General Engineering</i>	189	94.5	63
<i>Electrical Engineering and Electrical &amp; Computer 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.

The following courses are not transferrable: most first-year seminars, internships, professional development courses, independent study courses, workshops, most physical education 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 Skyline College UC transferable courses to transfer for credit: Adapted Physical Education, English of Speakers of Other Languages, Physical Education, Physical Education-Combatives, Physical Education-Fitness, Physical Education-Individual Activities, Physical Education-Team Sports, and Physical Education-Varsity Sports courses. To view all Skyline College's UC transferable courses, visit [www.assist.org](http://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 (CTW) 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 2<sup>nd</sup> college level English, 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 official AP CollegeBoard Report at the time of acceptance to receive such credit.

Skyline College Course
ENGL 100: Composition
ENGL 105: Composition with Support
PHIL 103: Critical Thinking

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

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

Skyline College Course
ENGL 110: Composition, Literature and Critical Thinking
ENGL 165: Composition, Argument and 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.

Skyline College Course
ADMJ 100: Introduction to Criminal Justice
ADMJ 102: Principles and Procedures of Justice
ADMJ 104 Concepts of Criminal Law
ART 101: History of Western Art I
ART 102: History of Western Art II
ART 120: Art of the Americas
HIST 100: History of Western Civilization I
HIST 101: History of Western Civilization II
HIST 108: Survey of American History
HIST 109: Europe Since 1945
HIST 201: United States History I
HIST 202: United States History II
HIST 203: The United States Since 1945
HIST 235: History of Ethnic Groups in the United States
HIST 240: History of Ethnic Groups in California
HIST 265: American Business and Labor History
HIST 310: California History
LIT 201: American Literature I
LIT 202: American Literature II
LIT 231: Survey of British Literature I
LIT. 232 Survey of British Literature II
LIT 370: Reading in Literature of the Latino in the United States
MUS 204: Music History
MUS 240: Music of the Americas
PHIL 240: History of Western Philosophy: Ancient and Medieval
PHIL 175: History of Western Philosophy: 16 <sup>th</sup> -18 <sup>th</sup> Century
PLSC 200: National, State and Local Government

PLSC 210: American Politics
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**CULTURES & IDEAS 2:** 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.

Skyline College Course
ANTH 110: Cultural Anthropology
ANTH 155: Human Prehistory and the Rise of Civilization
ANTH 165: Sex and Gender: Cross-Cultural Perspectives
ANTH 180: Magic, Witchcraft and Religion
ART 105: Asian Art and Architecture
ART 107: Art of Our Times
ART 115: Art, Music and Ideas
ART 117: Arts of Africa and the African Diaspora
DANC 103: Global Dance Traditions: Culture and Transformation
ECON 310: Political Economy of Asia
GEOG 110: Cultural Geography
GEOG 150: World Regional Geography
HIST 104: World Civilizations I
HIST 106: World Civilizations II
HIST 335: History and Politics of the Middle East
HIST 410: The Holocaust
HIST 420: Survey of Latin American History
HIST 430: Early Asian Civilizations
HIST 432: Modern Asian Civilizations
HIST 435: History of the Philippines
HIST 444: Survey of Sub-Saharan African History
HIST 453: History of China
HIST 462: Great Cities of the World: London, Cairo and Rome
HIST 463: Great Cities of the World: Florence, Tokyo and Jerusalem
HIST 464: Great Cities of the World: New York, Beijing and Granada
LIT 220: Introduction to World Literature I
LIT 221: Introduction to World Literature II
MUS 250: World Music
PHIL 300: Introduction to World Religions
PHIL 312: Phil of Religion
PHIL 320: Asian Philosophy
PLSC 115: Introduction to Comparative Government and Politics
PLSC 130: Introduction to International Relations
PLSC 320: Latin America in the International Political Economy
PLSC 335: History and Politics of the Middle East
SOCI 341: Asian Cultures and Societies
SOCI 432: Chinese Culture and Society

## 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 251 and MATH 252**

To fulfill the admission mathematics requirement, complete both MATH 251 and 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).

Skyline College Course	SCU course equivalency
MATH 251: Calculus with Analytic Geometry I	MATH 11
MATH 252: Calculus with Analytic Geometry II	MATH 12
MATH 253: Calculus with Analytic Geometry III	MATH 13 & MATH 14

**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.

Skyline College Course
No approved Skyline 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.

Skyline College Course
BUS. 205: Business Ethics
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.

Skyline College Course
COMM 150: Intercultural Communication
COMM 160: Gender and Communication
DANC 102: Hip Hop Dance Roots - A Survey of Black Dance in America
ECE. 272: Teaching in a Diverse Society
EDUC 120: Historical, Socio-Cultural, and Philosophical Foundations of Education
ETHN 101: Latin American and Indigenous Peoples History and Culture
ETHN 103: Asian American and US Institutions
ETHN 105 African American History and Culture
ETHN 107: Introduction to Native American Studies
ETHN 108: Race, Gender, and Power in America
ETHN 109: Borders and Crossings
ETHN 120 Introduction to Black Studies
ETHN 130 Introduction to Latinx Studies
ETHN 140 Introduction to Asian and Pacific Islander American Studies
ETHN 142: Filipina/o/x Community Issues
ETHN 265 Evolution of Hip Hop Culture: A Soci-Economic and Political Perspective
ETHN 288 Black Cinema
HIST 235: History of Ethnic Groups in the United States
HIST 240: History of Ethnic Groups in California
HIST 244: African American History
HIST 248: Women and the American Experience
HIST 429: History of Latin@s/x in the United States
HIST 436: Filipinos in America
LGST 200: Restorative Justice
LIT 154: Queer Literature
LIT 251: Women in Literature
LIT 265: Asian American Literature
LIT 266: Black Literature

LIT 267: Filipino American Literature
LIT 370: Reading in Literature of the Latino in the United States
LIT 432: Folklore
MUS 276: Hip Hop: Culture and Politics
MUS 277: African American Music
PSYC 230: Introduction to Cross-Cultural Psychology
PSYC 268: Black Psychology
SJS 130: Introduction to LGBTQ Studies
SJS 140: Hip Hop Culture and Politics
SOCI 141: Race and Ethnicity
SOCI 341: Asian Cultures and Societies
SOSC 150: Gender, Society and Culture
SOSC 270: The Civil Rights Movement
SOSC 275: Struggles for Civil Rights in California

## 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 210; PHYS 250 & 260**

*(Note: Web Design & Engineering major completes one course to satisfy Natural Science core requirement. It is recommended to complete CHEM 210.)*

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

*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 Skyline College 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.*

Skyline College Course	SCU course equivalency
ANTH 125/127: Biological Anthropology w/Lab	TRCR 18
ASTR 100/101: Introduction to Astronomy w/Lab	TRCR 18
BIOL 101: Our Biological World w/Lab	TRCR 18
BIOL 110: Principles of Biology w/Lab	TRCR 18
BIOL 111: Natural History of California w/Lab	TRCR 18

BIOL 171: Laboratory Principles of Applied Bioscience w/Lab	TRCR 18
BIOL 215: Organismal Biology: Core I w/Lab	TRCR 18
BIOL 230: Introduction to Cell Biology: Core II w/Lab	TRCR 18
BIOL 240: General Microbiology w/Lab	TRCR 18
BIOL 250: Human Anatomy w/Lab	TRCR 18
BIOL 260: Human Physiology w/Lab	TRCR 18
BTEC 170/171: Principles of Applied Bioscience w/Lab	TRCR 18
CHEM 112: Chemistry in Action w/Lab	TRCR 18
CHEM 114: Survey of Chemistry and Physics w/Lab	TRCR 18
CHEM 192: Introductory Chemistry w/Lab	TRCR 18
CHEM 210: General Chemistry I w/Lab	CHEM 11
CHEM 220: General Chemistry II w/Lab	CHEM 12&50
CHEM 234/237: Organic Chemistry I w/Lab	CHEM 31
CHEM 235/238: Organic Chemistry II w/Lab	CHEM 33 (If CHEM 234/237 & 235/238 completed, equates to SCU's CHEM 31, 32 & 33)
ENVS 100/101: Introduction to Environmental Science w/Lab	TRCR 18
GEOG 100/101 Physical Geography w/Lab	TRCR 18
GEOG 106: Weather and Climate	TRCR 18
GEOL 100/611: Survey of Geology w/Lab	TRCR 18
GEOL 210: General Geology w/Lab	CENG 20/20L or TRCR 18
GEOL 220: Historical Geology w/Lab	TRCR 18
OCEN 100/101: Survey of Oceanography w/Lab	TRCR 18
PHYS 100/101: Conceptual Physics w/Lab	TRCR 18
PHYS 114: Survey of Chemistry & Physics w/Lab	TRCR 18
PHYS 210: General Physics I w/Lab	PHYS 11
PHYS 220: General Physics II w/Lab	PHYS 13 (If PHYS 210 & 220 completed, equates to SCU's PHYS 11, 12 & 13)
PHYS 250: Physics with Calculus I w/Lab	PHYS 31
PHYS 260: Physics with Calculus II w/Lab	PHYS 33
PHYS 270: Physics with Calculus III w/Lab	PHY 32 (If PHYS 250, 260 & 270 completed, equates to SCU's PHYS 31, 32, 33 & 34)

**SOCIAL SCIENCE:** 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.

Skyline College Course
ANTH 110: Cultural Anthropology
ANTH 150: Introduction to Archaeology: Bones, Beads and the Basics of Material Culture

ANTH 155: Human Prehistory: Discovering Ancient Civilizations
ANTH 180: Magic, Witchcraft and Religion
ANTH 360: American Indians of North America
ECON 100: Principles of Macro Economics
ECON 102: Principles of Microeconomics
PLSC 115: Introduction to Comparative Government and Politics
PLSC 130: Introduction to International Relations
PLSC 210: American Politics
PSYC 100: General Psychology
PSYC 220: Introduction to Psychobiology
PSYC 268: Black Psychology
PSYC 300: Social Psychology
SOCI 100: Introduction to Sociology
SOCI 105: Contemporary Social Issues
SOCI 141: Race and Ethnicity
SOSC 245: Community Action for Change
SOSC 270: The Civil Rights Movement

**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.

Skyline College Course
ANTH 110: Cultural Anthropology
ANTH 155: Human Prehistory and the Rise of Civilization
ANTH 165: Sex and Gender: Cross-Cultural Perspectives
ANTH 180: Magic, Witchcraft and Religion
ART 105: Asian Art and Architecture
ART 107: Art of Our Times
ART 115: Art, Music and Ideas
ART 117: Arts of Africa and the African Diaspora
DANC 103: Global Dance Traditions: Culture and Transformation
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PLSC 320: Latin America in the International Political Economy
PLSC 335: History and Politics of the Middle East
SOCI 341: Asian Cultures and Societies
SOCI 432: Chinese Culture and Society

**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.

SCU COURSE	SC COURSE	BIOE	CENG	CSEN	ECEN	ELEN	ENGR	MECH	WDE
CHEM 11	CHEM 210	X	X	X	X	X	X	X	***
CHEM 12	CHEM 220	X							
CHEM 31	CHEM 234/237	X							
CHEM 32	CHEM 235/238	X*							
CHEM 33	CHEM 235/238	X*							
CENG 7/7L	ENGR 210		X						
CENG 10/10L	-		X						
CENG 20/20L	GEOL 300/301		X						
CENG 41	ENGR 230		X				X	X	
CSEN 10/10L	-			X	X	X	X		X
CSEN 11/11L	-			X	X	X			X
CSEN 12/12L	COMP 252			X	X	X			X
CSEN 20/20L	COMP 256			X					
ECEN/CSEN 21/21L	-			X	X	X	X		
ECEN 50/50L	ENGR 260/261	X		X	X	X	X	X	
MATH 11	MATH 251	X	X	X	X	X	X	X	X
MATH 12	MATH 252	X	X	X	X	X	X	X	X
MATH 13	MATH 253	X	X	X	X	X	X	X	X
MATH 14	MATH 253	X	X	X	X	X	X	X	X
MATH 22 or AMTH 106	MATH 275	X	X	X	X	X	X	X	
MATH 51 or CSEN 19	COMP 262			X	X	X**			
MATH 53	MATH 270			X	X				
MECH 10L	ENGR 210	X*					X	X	
MECH 11	-						X	X	
MECH 15/15L	ENGR 270						X	X	
MECH 45/45L	ENGR 215							X	
PHYS 31	PHYS 250	X	X	X	X	X	X	X	
PHYS 32	PHYS 270	X	X	X	X	X	X	X	
PHYS 33	PHYS 260	X	X	X	X	X	X	X	

PHYS 34	PHYS 250, 260 & 270					X**			
<p>*BIOE: CHEM 32 for Bimolecular and Premed Tracks, CHEM 33 for Premed Track, MECH 10L for Medical Device Track  **ELEN: PHYS 34 OR MATH 51  ***For WDE, not required but recommended  A "-" indicates that an equivalent course has not been approved at time of publication.</p>									
<b>Abbreviations and Links:</b>									
<a href="#">BIOE = Bioengineering</a>									
<a href="#">CENG = Civil, Environmental and Sustainable Engineering</a>									
<a href="#">CSEN = Computer Science and Engineering</a>									
<a href="#">ECEN = Electrical and Computer Engineering</a>									
<a href="#">ELEN = Electrical Engineering</a>									
<a href="#">ENGR = General Engineering</a>									
<a href="#">MECH = Mechanical Engineering</a>									
<a href="#">WDE = Web Design and Engineering</a>									

### Additional notes:

- Consult the current Santa Clara University [Undergraduate Bulletin](#) under Chapter 8- Academic Credit Evaluation for Advanced Placement and High-Level International Baccalaureate test credit equivalencies.
- Consult the Santa Clara University [Undergraduate Bulletin](#) for additional requirements in a major.
- 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.
- 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, 2 and 3 (taken in sequence order at SCU); Civic Engagement; Science, Technology & Society; Experiential Learning for Social Justice; Advanced Writing; and four Pathway courses.

For questions regarding transfer credit or test credit, contact the Transfer Record Analyst at: [Transfercredit@scu.edu](mailto:Transfercredit@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.