

ECONOMICS

Associate in Arts Transfer Program

Economics is a social science concerned with the way people make a living. It is the study of structures and roles in society which influence the production, distribution, scarcity, and consumption of goods and services.

ASSOCIATE IN ARTS - ECONOMICS

Core and Selective Requirements

Complete Core Courses, 6 units

	UNITS
ECON 100 Principles of Macro Economics	3
ECON 102 Principles of Micro Economics	3

Selective courses: choose a minimum of 12 units from the following list:

ACTG 121 Financial Accounting	4-5
ACTG 131 Managerial Accounting	4-5
ANTH 110 Cultural Anthropology	3
ECON 230 Economic History of the United States	3
HIST 101 History of Western Civilization II	3
HIST 201 United States History I or HIST 202 United States History II	3
MATH 200 Elementary Probability and Statistics	4
MATH 241, 242 Applied Calculus I, II or MATH 251, 252 Analytical Geometry & Calculus I/II	5/5
PHIL 100 Introduction to Philosophy	3
PSYC 100 General Psychology	3

Associate Degree Unit Requirements Total 18*

TRANSFER PROGRAM - ECONOMICS

Cañada College offers lower division coursework required for transfer in Economics. Students should use PROJECT ASSIST (www.assist.org) to research lower division major requirements at the transfer destination(s) of their choice. Also, work with a Counselor/Advisor to determine appropriate transfer coursework.

** and required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree*

ENGINEERING

Associate in Science Transfer Program

(Civil, Mechanical, Chemical, Electrical, Environmental, Materials, and Other Principal Branches)

Engineering is one of the largest professions in the United States with over one million jobs in fields ranging from airplane design to pollution control. The four largest branches are civil, computer, electrical and mechanical engineering. All branches of engineering place a heavy emphasis on problem solving. Engineering education focuses on teaching mathematical, scientific and engineering concepts and their application to the creative and effective solution of problems.

Engineering is one of the highest paid professions in the country. Engineering graduates work in a variety job functions (research and development, testing, design, construction, manufacturing, sales, consulting, management) and a variety of industry sectors (aerospace, computers/electronics manufacturing, electrical/electronics manufacturing, electrical equipment manufacturing, metals, machinery, architectural, engineering and related services, chemical, drugs, plastics, biotechnology, computers and technical consulting, research and development, professional and technical services, utilities.

ASSOCIATE IN SCIENCE - ENGINEERING

Core and Selective Requirements

Complete Core Courses, 27 units

	UNITS
CHEM 210 General Chemistry I	5
ENGR 260/261 Circuits and Devices/Lab	3/1
MATH 251 Analytical Geometry & Calculus I	5
MATH 252 Analytical Geometry & Calculus II	5
PHYS 250 Physics with Calculus I	4
PHYS 260 Physics with Calculus II	4

Selective courses:

Choose any two courses from the following, 6-7 units:

ENGR 210 Engineering Graphics	4
ENGR 215 Computational Methods for Engineers	3
ENGR 230 Statics	3
ENGR 240 Engineering Dynamics	3
ENGR 270 Materials Science	3

Choose any course from the following: 4 units minimum

CHEM 220 General Chemistry II	5
CIS 250/251 Programming Methods I: C++/Lab I: C++	3/1
CIS 284/285 Programming Methods I: Java/Lab I: Java	3/1
ENGR 100 Introduction to Engineering	3
MATH 253 Analytical Geometry & Calculus III	5
MATH 270 Linear Algebra	3
MATH 275 Ordinary Differential Equations	3
PHYS 270 Physics with Calculus III	4

Choose any one course not selected above, 3 units:

ENGR 210, ENGR 215, ENGR 230, ENGR 240, ENGR 270

Associate Degree Unit Requirements Total 37-38*

TRANSFER PROGRAM - ENGINEERING

Cañada College offers lower division coursework required for transfer in Engineering. Students should use PROJECT ASSIST (www.assist.org) to research lower division major requirements at the transfer destination(s) of their choice. Also, work with a Counselor/Advisor to determine appropriate transfer coursework.

** and required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.*

ENGLISH**Associate in Arts****Transfer Program**

The English Department at Cañada College offers a faculty whose special fields range from medieval to modern and from Asian to American, who are published writers, and who are, above all, dedicated and accomplished teachers. Courses offered cover English, European, Russian, American, Mexican-American, and Native-American literature; English and American language; expository and creative writing; critical and analytical reading. A major in English equips the student with a wide variety of intellectual skills and prepares him or her for many correlated career opportunities.

ASSOCIATE IN ARTS - ENGLISH**Core & Selective Requirements****Complete Core Courses, 9 units**

	UNITS
ENGL 100 Reading and Composition	3
ENGL 110 Composition and Literature	3
ENGL 165 Advanced Composition	3

Selective courses: choose a minimum of 9 units from the following:

Literature courses	9-15
Foreign Language	5-10
HIST 100/101 History of Western Civilization I/II	3/3
PHIL 100 Introduction to Philosophy	3

Associate Degree Unit Requirements Total **18***

TRANSFER PROGRAM - ENGLISH

Cañada College offers lower division coursework required for transfer in English. Students should use PROJECT ASSIST (www.assist.org) to research lower division major requirements at the transfer destination(s) of their choice. Also, work with a Counselor/Advisor to determine appropriate transfer coursework.

**and required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.*

ENGLISH AS A SECOND LANGUAGE

Certificate of Achievement - Academic Command of English (ACE) Language

The Academic Competency in English (ACE) Language Certificate is a multi-skill, academic English language certificate. Upon completion, students will be able to read, write, speak, and understand English in college-level academic contexts.

Students who earn the Academic Competency in English (ACE) Language Certificate will be prepared to begin college courses for transfer, certificates, and degrees in both academic and vocational areas. Additionally, this certificate will officially recognize the acquisition of the English language necessary to succeed in college-level courses and compete successfully in the labor market. Because of this, the Academic Competency in English (ACE) Language Certificate will assist community employers in determining the level of English language qualifications in potential employees.

CERTIFICATE OF ACHIEVEMENT - ACADEMIC COMMAND OF ENGLISH (ACE) LANGUAGE (PENDING STATE APPROVAL)

Core and Selective Requirements

Complete Core Courses, 18 units

	UNITS
ESL 824 Grammar IV	4
ESL 834 Listening/Speaking IV	4
ESL 844 Writing IV	4
ESL 864 Reading IV	4
Certificate Unit Requirements Total	16+

+ meet Certificate Program requirements listed on page 46.

FASHION DESIGN

Certificate of Achievement - Custom Dressmaking/Small Business Oriented

Certificate of Achievement - Fashion Design Merchandising

Certificate of Achievement - Technical (Apparel Industry Oriented)

Certificate of Achievement - Theater Costuming

Associate in Science - Custom Dressmaking/Small Business Oriented

Associate in Science - Fashion Design Merchandising

Associate in Science - Technical (Apparel Industry Oriented)

Associate in Science - Theater Costuming

Transfer Program - Custom Dressmaking/Small Business Oriented

The Fashion Design Department gives students a thorough introduction to apparel design and manufacturing. Students are prepared to find employment in an apparel design firm or to start their own business. They will develop essential skills and techniques in sketching, fabric selection, sewing, draping, and pattern making. Business skills are learned through an entrepreneurship course, and students learn to write a business plan. The fashion industry is vast and diverse with many creative, rewarding opportunities in ready-to-wear or high fashion design. An AS degree and certificate program are offered.

CERTIFICATE OF ACHIEVEMENT - CUSTOM DRESSMAKING / SMALL BUSINESS

Core & Selective Requirements

Complete Core Courses, 30.5 units

	UNITS
FASH 100 Principles of Design	3
FASH 111 Techniques of Fit	3
FASH 113 Textiles	3
FASH 115 Intermediate Clothing Construction	3
FASH 116 Tailoring	3
FASH 118 Flat Pattern	3
FASH 123 Introduction to the Fashion Industry	3
FASH 162 Advanced Flat Pattern	3
FASH 168 Fashion Draping	3
FASH 166 Fashion Entrepreneurship	3
FASH 195 Portfolio Development	0.5

Selective courses: Choose 1.5 units from the following courses:

CBOT 430 Computer Applications, Part I	1.5
or CBOT 431 Computer Applications, Part II	1.5

And choose a minimum of 3 units from the following:

COOP 672 Cooperative Education: Internship	3
FASH 124 Creative Techniques	3
FASH 128 Decorating with Fabric for the Small Business	3
FASH 129 Clothing Choices for Any Body	0.5
FASH 132 Trouser Construction	1
FASH 140 Basic Serging	1
FASH 146 Designer Techniques	3
FASH 150 History of Fashion	3
FASH 164 Fashion Illustration	3
FASH 167 The Custom Dress Form	1
FASH 170 French Pattern Drafting	2
FASH 171 Trouser Moulage	1
FASH 172 Bustier	1
FASH 174 How to Use Your Master Pattern	1

Certificate Unit Requirements Total **35+**

CERTIFICATE OF ACHIEVEMENT - FASHION DESIGN MERCHANDISING

Fashion merchandising requires the combination of the creative and business skill sets. Strategy and marketing know how are essential for the skilled professional. Fashion merchandising requires good analytical, communication, and visual skill sets. As the global retail sector diversifies and multiple channels including web and store based operations grow, there is a growing need for merchandisers.

Career opportunities within the retail sector include: Visual Merchandise Manager, Visual Display Manager, Promotions Manager, Sales Manager, Account Specialist, Buyer, Merchandise Manager, Public Relations Manager, Sales Associate, Sales Representative, Account Manager, Point of Purchase Representative.

Core & Selective Requirements

Complete Core Courses, 25 units

	UNITS
FASH 100 Principles of Design	3
FASH 113 Textiles	3
FASH 150 History of Fashion	3
FASH 151 Fashion Merchandising	3
FASH 228 Fashion Show Production	3
FASH 225 Apparel Analysis	3
FASH 226 Visual Merchandising and Display	3
FASH 230 Math for Merchandisers	3
FASH 672 Internship	1
Certificate Unit Requirements Total	25+

CERTIFICATE OF ACHIEVEMENT - TECHNICAL (APPAREL INDUSTRY ORIENTED)

Core & Selective Requirements

Complete Core Courses, 26.5 units

	UNITS
FASH 100 Principles of Design	3
FASH 113 Textiles	3
FASH 115 Intermediate Clothing Construction	3
FASH 118 Flat Pattern	3
FASH 123 Introduction to the Fashion Industry	3
FASH 163 Pattern Grading	1
FASH 164 Fashion Illustration	3
FASH 175 Advanced Illustration	3
FASH 178 Computerized Pattern Grading	1
FASH 180 Computerized Pattern Design	3
FASH 195 Portfolio Development	0.5

Selective courses: choose a minimum of 6 units from the following:

COOP 672 Cooperative Education: Internship	3
FASH 110 Beginning Clothing Construction	3
FASH 111 Techniques of Fit	3
FASH 140 Basic Serging	1
FASH 150 History of Fashion	3
FASH 165 Design Inspiration	1
FASH 166 Fashion Entrepreneurship	3
FASH 173 Lingerie Design and Construction	1

Certificate Unit Requirements Total 32.5+

CERTIFICATE OF ACHIEVEMENT - THEATER COSTUMING

The Theater Costuming Program provides students with an introduction to the costuming industry, including the many types of jobs available in this field, from designing to costume construction and show production. Students learn historic and theatrical styles, pattern making skills, tailoring and construction skills as well as design and illustration techniques to prepare them for a job in costuming. Students have the opportunity to work on actual productions through class work or internships.

The theater provides many interesting part-time, free-lance and full-time jobs in costuming, including design, patternmaking, construction, dressing a production, managing a costume shop and costume rentals. Graduates of this program will be prepared to begin a career as costume technicians in any number of areas, as well as to continue their education in costume design at a four-year university.

Core & Selective Requirements

Complete Core Courses, 25 units

	UNITS
FASH 113 Textiles	3
FASH 116 Tailoring	3
FASH 150 History of Fashion	3
FASH 162 Advanced Flat Pattern	3
FASH 164 Fashion Illustration	3
FASH 168 Fashion Draping	3
FASH 196 Introduction to Theater Costuming	1
FASH 197 Historical and Theatrical Costume Development	3
FASH 199 Costuming for Theatrical Production	3
<i>or FASH 672 Cooperative Education: Internship</i>	

Selective courses: choose a minimum of 3 units from the following:

FASH 134 Beginning Millinery	1
FASH 140 Basic Serging	1
FASH 170 French Pattern Drafting	2
FASH 171 Trouser Moulage	1
FASH 172 Bustier	1

Certificate Unit Requirements Total 28+

ASSOCIATE IN SCIENCE - CUSTOM DRESSMAKING / SMALL BUSINESS ORIENTED

Core & Selective Requirements

Complete Core and Selective Courses listed under the Certificate of Achievement-Custom Dressmaking/Small Business Oriented.

Associate Degree Unit Requirements Total 35*

ASSOCIATE IN SCIENCE - FASHION DESIGN MERCHANDISING

Core & Selective Requirements

Complete Core and Selective Courses listed under the Certificate of Achievement-Fashion Design Merchandising.

Associate Degree Unit Requirements Total 25*

ASSOCIATE IN SCIENCE - TECHNICAL (APPAREL INDUSTRY ORIENTED)

Core & Selective Requirements

Complete Core and Selective Courses listed under the Certificate of Achievement–Technical (Apparel Industry Oriented).

Associate Degree Unit Requirements Total **32.5***

ASSOCIATE IN SCIENCE - THEATER COSTUMING

Core & Selective Requirements

Complete Core and Selective Courses listed under the Certificate of Achievement–Theater Costuming.

Associate Degree Unit Requirements Total **28***

TRANSFER PROGRAM - CUSTOM DRESSMAKING / SMALL BUSINESS ORIENTED

Cañada College offers lower division coursework required for transfer in Fashion Design. Students should use PROJECT ASSIST (www.assist.org) to research lower division major requirements at the transfer destination(s) of their choice. Also, work with a Counselor/Advisor to determine appropriate transfer coursework.

+ meet Certificate Program requirements listed on page 46.

* and required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

Contact: Ronda Chaney, Phone: 306-3370

Web: www.canadacollege.edu/fashion

GEOGRAPHY

Associate in Arts

Transfer Program Available

Geography provides insights about the earth as the human habitat. It is a way of looking at the earth, not an inventory of its contents. This viewpoint rests on fundamental interlocking concepts. The cultural appraisal of the earth, the regional concept, areal coherence, human ecology, spatial interaction, study of landscape, and the concept of change are all ways the geographer tries to better understand the environment.

ASSOCIATE IN ARTS - GEOGRAPHY

Core and Selective Requirements

Complete Core Courses, 9 units

	UNITS
GEOG 100 Physical Geography	3
GEOG 110 Cultural Geography	3
OCEN 100 Oceanography	3

Selective courses: choose a minimum of 9 units from the following:

ANTH 110 Cultural Anthropology	3
ANTH 125 Physical Anthropology	3
ECON 100 Principles of Macro Economics	3
ECON 102 Principles of Micro Economics	3
GEOL 100 Survey of Geology	3
MATH 200 Elementary Probability & Statistics	4
MATH 241/242 Applied Calculus I/II	5/5
or MATH 251/252 Analytic Geometry & Calculus I/II	5/5

Associate Degree Unit Requirements Total **18***

TRANSFER PROGRAM - GEOGRAPHY

Cañada College offers lower division coursework required for transfer in Geography. Students should use PROJECT ASSIST (www.assist.org) to research lower division major requirements at the transfer destination(s) of their choice. Also, work with a Counselor/Advisor to determine appropriate transfer coursework.

* and required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

HISTORY

Associate in Arts

Transfer Program Available

History is the study of continuity and change in human societies over time. It is by nature an extremely broad discipline that includes an analysis of individuals and groups, events and phenomena, long-term trends and short-term trends, institutions, societies, and cultures. Our history program at Cañada is designed to offer history majors and those interested in history not only basic transfer courses, but also the opportunity to receive a broader background in both U.S. history and the history of different regions in the world. The faculty of the history department includes specialists in many different areas of history, and thus we are able to offer our students a solid program that will prepare them to transfer to any four year university.

History majors commonly become teachers, professors, lawyers, journalists, public policy professionals, politicians, diplomats, diplomatic core professionals, political activists, writers, civil servants, and city planners.

ASSOCIATE IN ARTS - HISTORY

Core and Selective Requirements

Complete Core Courses, 12 units

	UNITS
HIST 201 U. S. History Through 1877	3
HIST 202 U. S. History From 1877 to the Present	3

Take 6 units from the courses listed below; the remaining 6 units may be taken as selectives

HIST 100 History of Western Civilization I	3
HIST 101 History of Western Civilization II	3
HIST 104 World History I	3
HIST 106 World History II	3

Selective courses: choose a minimum of 12 units from the following:

HIST 100 History of Western Civilization I	3
HIST 101 History of Western Civilization II	3
HIST 104 World History I	3
HIST 106 World History II	3
HIST 242 African-American History	3
HIST 243 African History	3
HIST 245 Race, Ethnicity and Immigration in the U.S.	3
HIST 246 History of Latinos in the U.S.	3
HIST 247 Women in U.S. History	3
HIST 422 Modern Latin America	3
HIST 451 Far Eastern Civilization & Heritage I	3
HIST 452 Far Eastern Civilization & Heritage II	3
HIST 455 Middle Eastern History	3

Associate Degree Unit Requirements Total **24***

TRANSFER PROGRAM - HISTORY

Cañada College offers lower division coursework required for transfer in History. Students should use PROJECT ASSIST (www.assist.org) to research lower division major requirements at the transfer destination(s) of their choice. Also, work with a Counselor/Advisor to determine appropriate transfer coursework.

* and required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

HUMAN SERVICES

Certificate of Achievement - Promotor Education & Employment Project

Skills Certificate - Family Development

Certificate of Achievement - Community Health Worker

Certificate of Achievement - Human Services

Associate in Science - Human Services

The Human Services program at Cañada College was developed in cooperation with State and County Departments of Mental Health, Rehabilitation, Vocational Rehabilitation, and Human Services. The program is designed to train personnel to provide value-based services for families in need of temporary social, health, and economic assistance. State and county agencies, nonprofit and private providers of services, social workers, psychologists, and medical personnel work in this field.

CERTIFICATE OF ACHIEVEMENT - PROMOTOR EDUCATION & EMPLOYMENT PROJECT (PENDING STATE APPROVAL)

"The curriculum is designed to prepare individuals for entry-level positions in community-oriented health and social services. It provides a family oriented, culturally and linguistically appropriately and sensitive approaches to health & human service delivery, information and referral sources, and client advocacy in various settings.

Examples of type of positions graduates would be employed as are unit assistant, caregiver, admitting clerk, nutrition aide, health promoter, and health plan representative.

Core and Selective Requirements

Complete Core Courses, 16.5 units

	UNITS
CBOT 430 Computer Applications, Part I or CBOT 431 Computer Applications, Part II	1.5
HSCI 100 General Health Science	3
HSCI 430 First Aid	0.5
HSCI 432 CPR: Adult, Child, Infant	0.5
HMSV 161 Information & Referral: Understanding Community Resources	1
HMSV 262 or ECE. 262 Introduction to Family Support: Building Respectful Partnerships	3
HMSV 264 or ECE. 264 The Life Cycle of the Family	3
HMSV 265 Family Development Portfolio, Part I	1.5
HMSV 266 Family Development Portfolio, Part II	1.5
HMSV 672 Cooperative Education: Human Services Internship	1
Certificate Unit Requirements Total	16.5+

SKILLS CERTIFICATE - FAMILY DEVELOPMENT

Core and Selective Requirements

Complete Core Courses, 9 units

	UNITS
HMSV 262 or ECE. 262 Introduction to Family Support: Building Respectful Partnerships	3
HMSV 264 or ECE. 264 The Life Cycle of the Family	3
Choose 3 units from the following:	
HMSV 265 and HMSV 266 Family Development Portfolio, Part I and Part II	1.5/1.5

HMSV 366 or ECE. 366 Practicum in Early Childhood Education	3
HMSV 670 Cooperative Education/ Human Services Work Experience	3
HMSV 672 Cooperative Education: Human Services Internship	3
Certificate Unit Requirements Total	9+

CERTIFICATE OF ACHIEVEMENT - COMMUNITY HEALTH WORKER (PENDING STATE APPROVAL)

This certificate is designed for those individuals that are interested in job opportunities as community health workers. The demand for entry community health workers continues to grow statewide.

The students completing this program of study (seven courses) can then enter the workforce as a community health worker, health promoter, health aide, just to name a few positions. Community Health Workers are hired by state and county agencies, nonprofit and private providers of service.

Core and Selective Requirements

Complete Core Courses, 13 units

	UNITS
HSCI 100 General Health Science	3
HMSV 161 Information & Referral: Understanding Community Resources	1
HMSV 262 or ECE. 262 Introduction to Family Support: Building Respectful Partnerships	3
HMSV 264 or ECE. 264 The Life Cycle of the Family	3
HMSV 672 Cooperative Education: Human Services Internship	3

Selective courses: choose a minimum of 4 units from the following

CBOT 430 Computer Applications, Part I	1.5
ECE. 212 Child, Family, and Community	3
ECE. 316 First Aid for Children	0.5
ECE. 317 Pediatric CPR	0.5
HSCI 430 First Aid	0.5
HSCI 432 CPR: Adult, Child, Infant	0.5
HSCI 665 Special Topics in Health Science	0.5
HMSV 100 Introduction to Human Services	3
HMSV 120 Public Assistance and Benefits Program	1
HMSV 160 Serving Diverse Populations	3
PSYC 100 General Psychology	3
PSYC 106 Psychology of Ethnic Minority Groups	3
PSYC 110 Marriage & Relationship Choices	3
PSYC 201 Child Development	3
PSYC 410 Abnormal Psychology	3
SOCI 100 Introduction to Sociology	3
SOCI 141 Understanding Diverse Racial/Ethnic Cultures	3

Certificate Unit Requirements Total 17+

CERTIFICATE OF ACHIEVEMENT - HUMAN SERVICES

Core and Selective Requirements

Complete Core Courses, 15.5 units

	UNITS
CBOT 430 Computer Applications, Part I	1.5
HMSV 100 Introduction to Human Services	3
HMSV 110 Introduction to Counseling and Interviewing	3
HMSV 115 Introduction to Case Management	3
HMSV 120 Public Assistance and Benefits Programs	1

HMSV 161 Information & Referral: Understanding Community Resources	1
HMSV 670 Cooperative Education: Human Services Work Experience	3
<i>or HMSV 672 Cooperative Education: Human Services Internship</i>	

Selective courses: choose a minimum of 11 units from the following

BUS. 108 Business Writing & Presentation Methods	3
HSCI 100 General Health Science	2-3*
<i>*(2 or 3 unit course may be used to fulfill requirement)</i>	
HSCI 105 Communicable Disease	1
HSCI 665 Special Topics in Health Science	0.5
HMSV 262 or ECE. 262 Introduction to Family Support: Building Respectful Partnerships	3
HMSV 264 or ECE.264 The Life Cycle of the Family	3
HMSV 265 Family Development Portfolio, Part I	1.5
HMSV 266 Family Development Portfolio, Part II	1.5
SPCH 120 Interpersonal Communication	3

Certificate Unit Requirements Total 26.5+

ASSOCIATE IN SCIENCE DEGREE - HUMAN SERVICES

Core and Selective Requirements

Complete Core and Selective Courses listed under the Certificate of Achievement-Human Services.

Certificate Unit Requirements Total 26.5*

TRANSFER PROGRAM - HUMAN SERVICES

Cañada College offers lower division coursework required for transfer in Human Services. Students should use PROJECT ASSIST (www.assist.org) to research lower division major requirements at the transfer destination(s) of their choice. Also, work with a Counselor/Advisor to determine appropriate transfer coursework.

+ meet Certificate Program requirements listed on page 46.

** and required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree*

ASSOCIATE IN ARTS DEGREE IN INTERDISCIPLINARY STUDIES WITH AREAS OF EMPHASIS

Associate in Arts with Area of Emphasis

The Interdisciplinary Studies major is designed for students pursuing broad areas of study and exploration in any of the areas of emphasis described below. Option 1 enables students to complete the requirements for the Associates Degree, while options 2 and 3 enable students to complete the requirements for the Associates degree and transfer admission requirements to the California State University or University of California.

Important: Completion of the CSU or UC patterns does not guarantee admission to any of these institutions. Consult with a counselor for further information. Note: Minimum C grade is required in all courses applied to any area of emphasis in this major.

Option 1: Cañada College Pattern (replaces former Liberal Arts major)

- A. Complete Basic Competency, Specific Area, and General Education requirements for the AA/AS degree
- B. Complete 18 units in one of the following areas of emphasis
 - 1) Arts and Humanities
 - 2) Natural Science and Mathematics
 - 3) Social and Behavioral Sciences
- C. Remaining units should be chosen in consultation with a counselor to fulfill Associate Degree competency and specific area requirements and lower-division preparation and/or electives.

Option 2: California State University Pattern (replaces option 1 in former University Studies major)

To meet the requirements for this pattern, students must complete a minimum of 60 semester units that are CSU transferable with a cumulative GPA of 2.0 or better that meet the following:

- A. Complete the CSU GE requirements (a C or better grade is required in Areas A1, A2, A3 and B4) or
- B. Complete the CSU version of the Intersegmental General Education Transfer Curriculum (IGETC)—a minimum of 37 units with a C or better grade in each course.

and

- C. Eighteen units from one of the following areas of emphasis:
 - 1) Arts and Humanities
 - 2) Natural Science and Mathematics
 - 3) Social and Behavioral Sciences
- D. Remaining units should be chosen in consultation with a counselor to fulfill Associate Degree competency and specific area requirements and lower-division preparation and/or electives.

Option 3: University of California Pattern (replaces option 2 in former University Studies major)

To meet the requirements for this pattern, students must complete a minimum of 60 units transferable to the University of California to include either A or B below with a minimum C or better grade in each course.

- A. Complete the UC version of Intersegmental General Education Transfer Curriculum (IGETC)—a minimum of 34 units or
- B. Complete campus specific UC transfer admission requirements (in consultation with a counselor)

and

- C. Complete 18 units in one of the following areas of emphasis
 - 1) Arts and Humanities
 - 2) Natural Science and Mathematics
 - 3) Social and Behavioral Sciences
- D. Remaining units should be chosen in consultation with a counselor to fulfill Associate Degree competency and specific area requirements and lower-division preparation and/or electives.

ASSOCIATE IN ARTS - INTERDISCIPLINARY STUDIES WITH EMPHASIS IN ARTS AND HUMANITIES (PENDING STATE APPROVAL)

Students earning the AA - Interdisciplinary Studies with Emphasis in Arts and Humanities degree analyze and evaluate the ways in which people from different cultures have expressed themselves through the Arts and Humanities.

Complete a minimum of 18 units

Arts - Select 9 units, courses must be selected from at least 2 disciplines:

ART 100, 101, 102, 103, 104, 201, 204, 214, 301
 DRAM 101, 140, 142, 143, 151, 152
 LIT. 142, 143, 441, 442
 MUS. 100, 115, 202, 240, 250

Humanities - Select 9 units, courses must be selected from at least 2 disciplines:

DRAM 142, 143, 151, 152
 ENGL 110, 161, 164
 HIST 100, 101, 104, 106, 201, 202, 242, 243, 245, 246, 247, 451, 452, 455
 LIT. 101, 111, 142, 143, 151, 152, 200, 205, 231, 232, 233, 251, 252, 266, 301, 370, 371, 372, 373, 375, 441, 442, 445
 PHIL 100, 160, 190, 240, 246, 300, 320
 SPAN 120, 121, 122, 130, 131, 132, 140, 150, 152, 161, 162
 SPCH 111

ASSOCIATE IN ARTS - INTERDISCIPLINARY STUDIES WITH EMPHASIS IN NATURAL SCIENCE AND MATHEMATICS (PENDING STATE APPROVAL)

The natural sciences are a gateway to a very large number of occupations, many of which require specific coursework for transfer and/or admission to professional schools. In general, careers in the natural sciences require strong computational, communication and analytical thinking skills.

The degree in Interdisciplinary Studies with Emphasis in Natural Sciences prepares students for further study and employment as life and physical scientists, health practitioners, engineers and science technicians.

Complete a minimum of 18 units:

At least one introductory OR advanced course MUST have a laboratory experience included (* courses) or a laboratory course must be taken (# courses).

I. Introductory Science Courses: (Select a minimum of 9 units)

Biology: a student may choose up to 2 of the following courses:

BIOL 110*, 130, 310

Chemistry: a student may choose 1 of the following courses:

CHEM 192*, 210*, 410*

Physics: a student may choose 1 of the following courses:

PHYS 210*, 250*

Other sciences: a student may choose up to 3 of the following courses:

ANTH 125

ASTR 100 & 101#

ENGR 100*

GEOG 100

GEOL 100*

HSCI 100

NSCI 100

OCEAN 100 & 101#

II. Mathematics Competency: (Select a minimum of 3 units)

MATH 125, 130, 140, 200, 219, 241, 251

III. Advanced Courses: (Select a minimum of 6 units)

BIOL 225*, 230*, 240*, 250*, 260*

CHEM 220*, 234 & 237#

MATH 242, 252, 253

PHYS 220*, 260*, 270*

ASSOCIATE IN ARTS - INTERDISCIPLINARY STUDIES WITH EMPHASIS IN SOCIAL AND BEHAVIORAL SCIENCES (PENDING STATE APPROVAL)

The social sciences are a cluster of disciplines that analyze basic dimensions of the human world through the application of systematic methods. Social scientists study an array of topics and deploy a multitude of theories and research methods collecting and analyzing data from participant observations, group interviews, surveys, historical documents, laboratory experiments, and more. Students who earn an AA in the social sciences analyze and evaluate the social world from the perspectives of anthropology, economics, history, philosophy, political science, psychology, and sociology.

The degree in Interdisciplinary Studies with Emphasis in Social Sciences prepares students for a variety of careers related to education, law, social work, business, politics, and human services.

Complete a minimum of 18 units. Courses must be selected from at least 4 disciplines

ANTH 110, 200, 360

ECON 100, 102, 230

GEOG 110

HIST 100, 101, 104, 106, 201, 202

PHIL 100, 160, 190, 240, 300,

PLSC 130, 150, 210, 310

PSYC 100, 106, 110, 200, 205, 300, 340, 410

SOCI 100, 105, 141, 205

INTERIOR DESIGN

Certificate of Achievement - Green/Sustainable Design

Certificate of Achievement - Interior Design

Certificate of Achievement- Residential and Commercial Design

Certificate of Achievement - Kitchen and Bath (endorsed by NKBA, National Kitchen & Bath Association)

Associate in Science - Interior Design

Transfer Program

The Interior Design Department offers courses designed for individuals interested in preparing for careers in the professional fields of interior design. Included in the program are a transfer program, an AS degree, and four certificate programs. The Kitchen & Bath Certificate is Accredited by the NKBA, National Kitchen & Bath Association. The AS degree in conjunction with the residential and commercial design or kitchen and bath certificate meets the minimum qualifying requirements for the American Society of Interior Designers (ASID) allied membership. Completion of the Kitchen & Bath Certificate prepares students for the AKBD (Associate Kitchen & Bath Design) exam and the CKD (Certified Kitchen Designer) and CBD (Certified Bath Designer). Interior Design students are required to complete the core requirements in Interior Design before taking the residential, commercial design and kitchen and bath certificate requirements. If a student has an earned Bachelor's degree, he/she must see a counselor regarding courses completed during the first two years of college that may be substituted for core requirement courses.

CERTIFICATE OF ACHIEVEMENT - GREEN/SUSTAINABLE DESIGN (PENDING STATE APPROVAL)

The Green/Sustainable Design Certificate of Achievement is designed for interested design students and professionals currently working in the industry (interior design, architecture, construction), to enhance their knowledge and skills. It prepares them for jobs with architectural and design firms, remodeling and construction companies, as well as numerous trade and retail positions, where expertise in this area is becoming an important and necessary job qualification.

Core and Selective Requirements

Complete Core Courses, 16 units

	UNITS
INTD 400 Green/Sustainable Design Concepts	2
INTD 450 Materials and Finishes	3
INTD 260 Overview of Lighting Design	3
INTD 356 Residential & Commercial Construction	3
INTD 370 Construction Estimating & Renovation	3
INTD 464 Codes: Fire, Safety, and Barrier-Free Design	1
INTD 672 Cooperative Education: Internship/Work Experience	1
Certificate Unit Requirements Total	16+

CERTIFICATE OF ACHIEVEMENT - INTERIOR DESIGN

Core and Selective Requirements

Complete Core Courses, 31 units

	UNITS
ARCH 110 Basic Architectural Drawing	3
ART 201 Form and Composition I	3

INTD 115 Introduction to Interior Design	3
INTD 126 Critical Thinking for Interior Designers	3
INTD 128 Presentation Techniques I	3
INTD 129 Presentation Techniques II	3
INTD 130 Beginning Space Planning	3
INTD 148 Color for Interiors	3
INTD 150 History of Interiors	3
INTD 362 CAD for Interior Designers-Architectural Drawings	1
INTD 450 Materials and Finishes	3
Certificate Unit Requirements Total	31+

CERTIFICATE OF ACHIEVEMENT - RESIDENTIAL AND COMMERCIAL DESIGN

Core and Selective Requirements

Complete Core Courses, 65 units

	UNITS
ARCH 110 Basic Architectural Drawing	3
ART 103 History of Art III	3
ART 201 Form and Composition I	3
INTD 115 Introduction to Interior Design	3
INTD 126 Critical Thinking for Interior Designers	3
INTD 128 Presentation Techniques I	3
INTD 129 Presentation Techniques II	3
INTD 130 Beginning Space Planning	3
INTD 147 Advanced Space Planning	3
INTD 148 Color for Interiors	3
INTD 150 History of Interiors	3
INTD 250 Professional Practices	3
INTD 260 Overview of Lighting Design	3
INTD 270 Kitchen Design	3
INTD 271 Bath Design	3
INTD 340 Furniture, Casework and Interior Detailing	3
INTD 350 Commercial Design I	3
INTD 356 Residential & Commercial Construction	3
INTD 360 AutoCAD for Interior Designers	3
INTD 362 CAD for Interior Designers-Architectural Drawings	1
INTD 370 Construction Estimating and Renovation	3
INTD 450 Materials and Finishes	3
INTD 464 Codes: Fire, Safety, and Barrier-Free Design	1
Certificate Unit Requirements Total	65+

CERTIFICATE OF ACHIEVEMENT - KITCHEN AND BATH

Core and Selective Requirements

Complete Core Courses, 59 units

	UNITS
ARCH 110 Basic Architectural Drawing	3
ART 201 Form and Composition I	3
INTD 115 Introduction to Interior Design	3
INTD 126 Critical Thinking for Interior Designers	3
INTD 128 Presentation Techniques I	3
INTD 129 Presentation Techniques II	3
INTD 130 Beginning Space Planning	3
INTD 147 Advanced Space Planning	3
INTD 148 Color for Interiors	3
INTD 150 History of Interiors	3
INTD 270 Kitchen Design	3
INTD 271 Bath Design	3
INTD 276 Advanced Kitchen & Bath Design	3
INTD 278 Marketing & Salesmanship for Interior Design	3

INTD 340 Furniture, Casework, and Interior Detailing	3
INTD 356 Residential and Commercial Construction	3
INTD 362 CAD for Interior Designers-Architectural Drawings	1
INTD 370 Construction Estimating & Renovation	3
INTD 450 Materials and Finishes	3
INTD 464 Codes: Fire, Safety, and Barrier-Free Design	1
INTD 672 Cooperative Education Internship	3

Selective courses: choose a minimum of 3 units from the following:

ART 101 History of Art I	3
ART 102 History of Art II	3
ART 103 History of Art III	3
ART 204 Drawing I	3
CBOT 430 Computer Applications, Part I	1.5
INTD 250 Professional Practices	3
INTD 260 Overview of Lighting Design	3
INTD 320 Asian Art for Interiors: China and Korea <i>or ART 125 Asian Art for Interiors: China and Korea</i>	1
INTD 321 Asian Art for Interiors: Japan and Southeast Asia <i>or ART 126 Asian Art for Interiors: Japan and Southeast Asia</i>	1
INTD 322 Asian Art for Interiors: Japan, India, and the Philippines <i>or ART 127 Asian Art for Interiors: Japan, India, and the Philippines</i>	1
INTD 350 Commercial Design I	3
Certificate Unit Requirements Total	62+

ASSOCIATE IN SCIENCE - INTERIOR DESIGN

Core & Selective Requirements

Complete Core Courses, 31 units, listed under the Certificate of Achievement-Interior Design

Associate Degree Unit Requirements Total **31+**

TRANSFER PROGRAM - INTERIOR DESIGN

Cañada College offers lower division coursework required for transfer in Interior Design. Students should use PROJECT ASSIST (www.assist.org) to research lower division major requirements at the transfer destination(s) of their choice. Also, work with a Counselor/Advisor to determine appropriate transfer coursework.

+ meet Certificate Program requirements listed on page 46.

* and required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree

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