

Degrees & Certificates

Associate Degree And Certificate Programs

Following are courses of study leading to majors in AA or AS degrees, AA-T or AS-T degrees, and certificate programs. Not all courses in all majors are offered each semester. Many courses listed in these programs will transfer to four-year colleges or universities in satisfaction of lower division requirements; however, an Associate degree does not necessarily complete all lower division requirements for transfer. For specific courses students should confer with their counselors or contact the college to which they intend to transfer.

Certificates

Skyline College offers three types of certificates. A Certificate of Achievement (generally 12 to 30 units) is awarded in certain occupational fields upon satisfactory completion of a specific course of study in a state-approved program. Students must complete with a grade of "C" or better (or Pass) all courses used to satisfy both core and elective requirements for the certificate. Certificates of Achievement are posted to a student's transcript.

A Certificate of Specialization (generally 12 to 17.5 units) is awarded in certain occupational fields upon satisfactory completion (minimum 2.0 grade point average) of a specific course of study in a locally-approved program. Certificates of Specialization are not posted to a student's transcript. A Skills or Career Certificate (fewer than 12 units) is awarded upon successful completion of designated courses in a specific occupational field. Skills and Career Certificates are not posted to a student's transcript. Units earned to meet certificate requirements may be applied toward the 60 units required for an AA or AS degree and may also satisfy the major requirement for an Associate's Degree. Fifty (50) percent of the total units required for the Certificate must be completed at Skyline College.

Certificate requirements for an individual student shall be those listed in the Skyline College Catalog at the time the student's studies begin. Those requirements may be followed throughout the student's course of study as long as the student remains in continuous enrollment. For the purposes of this requirement, continuous enrollment is defined as enrollment in at least one semester each calendar year. If a break in attendance occurs before the certificate is earned, the certificate requirements shall become those listed in the College Catalog which is current at the time the student's studies are resumed. A student may earn multiple Certificates from Skyline College. Each Certificate of Achievement will be posted to the student's academic record and the student will receive a Certificate of Achievement, Certificate of Specialization, Skills Certificate or Career Certificate for each certificate earned. Courses used to meet requirements for one certificate may be used to meet requirements for additional certificates.

Graduation Requirements for AA or AS Degree in Career Programs

American History & Institutions.	6 units
Major	18 units
General Education	19 units
Physical Education	2 courses
Basic Competency in English, Mathematics, and Information Literacy	
Total units.	60

Note: See **Associate Degree Requirements** section for specific details.

Legend

AA: Associate in Arts Degree

AS: Associate in Science Degree

AA-T: Associate in Arts Degree for Transfer

AS-T: Associate in Science Degree for Transfer

BS: Bachelor of Science

CA: Certificate of Achievement (requires 18 or more units, and is posted on students' academic transcripts)

CS: Certificate of Specialization (generally 12-17.5 units, and is not posted on students' academic transcripts)

CC: Career Certificate (under 12 units, and is not posted on students' academic transcripts)

SC: Skills Certificate (under 12 units, and is not posted on students' academic transcripts)

Degree or Certificate Program	Award Type	Units
ACCOUNTING		
Accounting	AS	60 units
Accounting	CA	23 units
Accounting Computer Specialist	CS	13 units
Individual Tax Preparer	CS	14 units
ADMINISTRATION OF JUSTICE		
Administration of Justice	AA	60 units
Administration of Justice for Transfer	AS-T	60 units
Administration of Justice	CA	27 - 28 units
ANTHROPOLOGY		
Anthropology for Transfer	AA-T	60 units
ART		
Art	AA	60 units
Art History for Transfer	AA-T	60 units
Studio Arts for Transfer	AA-T	60 units
AUTOMOTIVE TECHNOLOGY		
Automotive Technician	AS	60 units
Automotive Technology	AS	64 units
Asian Engine Performance Technology	CA	19 - 23 units
Automotive Advanced Engine Performance Technology	CA	19 - 23 units
Automotive Chassis, Alignment & Brake Technology	CA	19 - 23 units
Automotive Drive Train Technology	CA	19 - 23 units
Automotive Electricity/Electronics	CA	19 - 23 units
Automotive Engine Performance Technology	CA	19 - 23 units
Automotive Engines Technology	CA	19 - 23 units
Automotive Entrepreneurship	CC	10 units
Automotive Technician - Entry Level	CC	9 - 17 units
BIOLOGY		
Allied Health Science	AS	60 units
Biotechnology	AS	60 units
Natural Science	AS	60 units
Biology for Transfer	AS-T	60 units
BIOTECHNOLOGY		
Biotechnology Manufacturing Technician	AS	60 units
Biotechnology Manufacturing Assistant	CA	21 - 24 units
Biotechnology Manufacturing Technician	CA	33 units
BUSINESS		

Degree or Certificate Program	Award Type	Units
Asian Studies	AA	60 units
Business Management	AS	60 units
Business Administration for Transfer	AS-T	60 units
Asian Studies	CA	21 units
Business Administration	CA	29 - 32 units
Business Management	CA	31 units
Chinese Studies	CA	15 units
Entrepreneurship and Small Business Management	CA	24 units
Office Assistant	CA	18 units
Entrepreneurship	CS	12 units
Entry-Level Warehousing	SC	4 units
Warehousing and Logistics	CS	17 units
COMMUNICATION STUDIES		
Communication Studies	AA	60 units
Communication Studies for Transfer	AA-T	60 units
COMPUTER SCIENCE		
Computer Science for Transfer	AS-T	60 units
COSMETOLOGY		
Cosmetology	AS	60 units
Cosmetology	CA	45 units
Esthetician	CA	24 units
Cosmetology Entrepreneurship	SC	5.5 units
DANCE		
Dance	AA	60 units
DIGITAL FILMMAKING		
Basic Digital Filmmaking	CS	12 units
EDUCATION/CHILD DEVELOPMENT		
Elementary Teacher Education for Transfer	AA-T	60 units
Early Childhood Education	AS	60 units
Early Childhood Education for Transfer	AS-T	60 units
Early Childhood Education	CA	24 units
Early Childhood Special Education	CA	24 units
Early Childhood Education Entrepreneurship	CC	10 units
Foundations in Early Childhood Education	CC	10 units
Fundamentals In Early Childhood Education	CC	7 units
EMERGENCY MEDICAL TECHNOLOGY		
Emergency Medical Technology	CC	8 units

Degree or Certificate Program	Award Type	Units
ENERGY SYSTEMS TECHNOLOGY MANAGEMENT		
Energy Efficiency	AS	60 units
Entrepreneurship and Small Business Management In Energy Systems Technology	AS	60 units
Solar Technology and Business	AS	60 units
Residential Energy Efficiency	CA	25 units
Solar Installation	CA	27.5 units
Solar Technology and Business	CA	28 units
Climate Protection Professional	SC	10 units
Construction Management	CC	10 - 11.5 units
Residential Energy Assessment and Retrofitting	SC	8 units
Solar Design, Estimation, Finance, and Sales	SC	6 units
Solar Energy Technology	CS	14.5 units
Solar Installation	CC	7.5 units
ENGINEERING		
Electrical Engineering	AS	60 units
ENGLISH		
English	AA	60 units
English for Transfer	AA-T	60 units
GEOLOGY		
Geology for Transfer	AS-T	60 units
HEALTH SCIENCE		
Public Health Science for Transfer	AS-T	60 units
HISTORY		
International Studies	AA	60 units
History for Transfer	AA-T	60 units
HOSPITALITY AND TOURISM MANAGEMENT		
Food & Beverage Entry-Level Professional	SC	7 units
Guest Service Entry-Level Professional	SC	6.5 units
Meeting & Event Planning Entry-Level Professional	SC	6.5 units
INTERDISCIPLINARY STUDIES		
Interdisciplinary Studies: Arts and Humanities	AA	60 units
Interdisciplinary Studies: Health and Physical Education	AA	60 units
Interdisciplinary Studies: Letters and Science	AA	60 units
Interdisciplinary Studies: Social and Behavioral Sciences	AA	60 units
Interdisciplinary Studies: Social and Natural Sciences	AA	60 units
JOURNALISM		
Journalism	AA	60 units

Degree or Certificate Program	Award Type	Units
Journalism for Transfer	AA-T	60 units
Journalism	CA	24 units
KINESIOLOGY		
Kinesiology for Transfer	AA-T	60 units
MASSAGE THERAPY		
Massage Therapy	CA	32 - 38 units
MATHEMATICS		
Mathematics	AA	60 units
Mathematics for Transfer	AS-T	60 units
MUSIC		
Music	AA	60 units
Music for Transfer	AA-T	60 units
NETWORK ENGINEERING TECHNOLOGIES		
Network Engineering	AS	60 units
Network Engineering	CA	37 units
Advanced Computer User Support	CS	15 units
Entry Level Computer User Support	CC	10 units
Wiring and Installation	CC	10 units
PARALEGAL STUDIES		
Paralegal, Legal Assistant	AA	60 units
Paralegal, Legal Assistant	CA	27 units
PHILOSOPHY		
Philosophy for Transfer	AA-T	60 units
PHYSICAL EDUCATION		
Physical Education	AA	60 units
PHYSICS		
Physics for Transfer	AS-T	60 units
POLITICAL SCIENCE		
Political Science for Transfer	AA-T	60 units
PSYCHOLOGY		
Psychology	AA	60 units
Psychology for Transfer	AA-T	60 units
RESPIRATORY CARE		
Respiratory Care	BS	120 units
Respiratory Care	AS	60 units
SOCIOLOGY		
Sociology for Transfer	AA-T	60 units

Degree or Certificate Program	Award Type	Units
SPANISH		
Spanish	AA	60 units
Spanish for Transfer	AA-T	60 units
SURGICAL CAREERS		
Anesthesia Technology	AS	60 units
Surgical Technology	AS	60 units
Anesthesia Technology	CA	30 units
Surgical Technology	CA	34 units
Central Service Technology With Clinical Practice	CC	11.5 units

ACCOUNTING

AS Associate in Science Degree Program

Accounting..... 60 units

CA Certificate of Achievement

Accounting..... 23 units

CS Certificate of Specialization: Not Transcript Reported

Accounting Computer Specialist..... 13 units

Individual Tax Preparer..... 14 units

AS Accounting

The Accounting Program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP).

The certificate or Associate degree in Accounting prepares students for a variety of positions in the accounting field. Students gain the skills needed for a professional job in Accounting or related fields such as a staff accountant. Many students find part-time employment in the accounting field after completing the first accounting courses in the program and continue to work while fulfilling program requirements.

Career Opportunities

An AS degree in accounting provides opportunities for positions as a staff accountant.

Program Learning Outcomes

Students completing this program will be able to:

1. Critical Thinking: Apply critical thinking and analytical skills in decision making and problem solving.
2. Accounting/Financial Accounting: Understand and apply accounting principles to prepare financial statements.
3. Business Law: Develop an understanding of the law and the legal environment as it relates to business operations, including its ethical implications.
4. Intro to Business Information Systems: Identify the basics of information technology and apply software applications to enhance efficiency of business functions.
5. Business Communications: Create effective oral and written business communications utilizing modern communication technologies.

6. Economics/Macroeconomics: Demonstrate knowledge of basic economic concepts and how they affect business.

Required Business Core Courses:		Units
ACTG 121	Financial Accounting	4 units
BUS. 103	Introduction to Business Information Systems	3 units
BUS. 201	Business Law	3 units
BUS. 401	Business Communications	3 units
ECON 100	Principles of Macro Economics	3 units

Required Courses for the Major:		Units
ACTG 100	Accounting Procedures	3 units
ACTG 131	Managerial Accounting	4 units
ACTG 144	QuickBooks: Set-Up and Service Business	1.5 units
BUS. 120	Mathematical Analysis for Business	3 units
OR		
MATH 241	Applied Calculus I	5 units
OR		
MATH 251	Calculus with Analytic Geometry I	5 units
BCM. 225	Spreadsheets I: Excel	1 unit
ECON 102	Principles of Microeconomics	3 units
ACTG 169	Accounting Ethics prerequisite: ACTG 121 or equivalent	3 units
OR		
ACTG 103	Ten-Key Skills	0.5 units

Plus a minimum of 3 units from the following:		Units
ACTG 145	QuickBooks: Payroll and Merchandising Business	1.5 units
ACTG 171	Federal Income Tax	4 units
ACTG 172	Business Income Taxes	4 units
ACTG 670	Vocational Cooperative Education in Accounting	2 units
BCM. 226	Spreadsheets II: Excel	2 units
BUS. 100	Introduction to Business	3 units
MATH 200	Elementary Probability & Statistics	4 units
OR		



BUS. 123	Statistics	3 units
ACTG 158	Financial Statement Analysis	4 units

Total Required Major Units: 38 - 40

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

Note: Minimum C grade required in all courses applied to the major.

CA Accounting

For gainful employment information, see this program's [gainful employment website](#).

Required Courses	Units
ACTG 100 Accounting Procedures	3 units
ACTG 103 Ten-Key Skills	0.5 units
ACTG 121 Financial Accounting	4 units
ACTG 131 Managerial Accounting	4 units
ACTG 144 QuickBooks: Set-Up and Service Business	1.5 units
BCM. 225 Spreadsheets I: Excel	1 unit
ACTG 169 Accounting Ethics	3 units

Plus a minimum of 6 units from the following:

	Units
ACTG 145 QuickBooks: Payroll and Merchandising Business	1.5 units
ACTG 171 Federal Income Tax	4 units
ACTG 172 Business Income Taxes	4 units
ACTG 670 Vocational Cooperative Education in Accounting	2 units
BUS. 103 Introduction to Business Information Systems	3 units
BUS. 201 Business Law	3 units
BCM. 226 Spreadsheets II: Excel	2 units
ACTG 158 Financial Statement Analysis	4 units

Note: Minimum C grade required in all courses applied to the major.

Total Required Units: 23

CS Accounting Computer Specialist

Required Courses	Units
ACTG 100 Accounting Procedures	3 units
ACTG 103 Ten-Key Skills	0.5 units
ACTG 144 QuickBooks: Set-Up and Service Business	1.5 units
BCM. 200 Intro to MS Office Suite	2 units
BCM. 225 Spreadsheets I: Excel	1 unit
BCM. 226 Spreadsheets II: Excel	2 units
BUS. 101 Human Relations at Work	3 units

Note: Minimum C grade required in all courses applied to the major.

Total Required Units: 13

CS Individual Tax Preparer

This certificate will allow students to enter the professional field of tax preparation without an associate degree.

Career Opportunities

This certificate will allow students to enter the professional field of tax preparation without an associate degree.

Program Learning Outcomes

Students completing this program will be able to:

1. Understand and demonstrate the relevant concepts and applications of tax regulations needed to succeed in a tax preparation career.
2. Demonstrate knowledge of ethical standards established by relevant professional organizations

	Units
ACTG 100 Accounting Procedures	3 units
ACTG 103 Ten-Key Skills	0.5 units
ACTG 169 Accounting Ethics	3 units
ACTG 171 Federal Income Tax	4 units
ACTG 175 Volunteer Income Tax Preparation	2.5 units

BCM. 225	Spreadsheets I: Excel	1 unit
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Total Required Units: 14

ADMINISTRATION OF JUSTICE

AA Associate in Arts Degree Program

Administration of Justice..... 60 units

AS-T Associate in Science Degree for Transfer

Administration of Justice for Transfer..... 60 units

CA Certificate of Achievement

Administration of Justice..... 27 - 28 units

AA Administration of Justice

Program Learning Outcomes

Students completing this program will be able to:

1. Identify and describe the structure and functions of the main components of the criminal justice system: law enforcement, courts, corrections, and juvenile justice.
2. Recognize the importance of, and practice, ethical behavior in a professional criminal justice work setting, both within the agency and within the community.
3. Exhibit strong and effective written and oral communication skills.
4. Critically consider, analyze, and research special issues in criminology and criminal justice and their effects on society.

Required Core Courses		Units
ADMJ 100	Introduction to Administration of Justice	3 units
ADMJ 102	Principles and Procedures of Justice	3 units
ADMJ 104	Concepts of Criminal Law	3 units
ADMJ 106	Legal Aspects of Evidence	3 units
ADMJ 108	Community Relations	3 units
ADMJ 110	Police Report Writing	3 units

Plus a selection of 9-10 units from the following:

		Units
ADMJ 120	Criminal Investigation	3 units
ADMJ 123	Concepts of Enforcement Principles	3 units
ADMJ 125	Juvenile Procedures	3 units
ADMJ 134	Traffic Enforcement and Investigation	3 units
ADMJ 665	Selected Topics in Administration of Justice	0.5 - 2 units
ADMJ 670	Criminal Justice Internship (Cooperative Education)	4 units
LEGL 240	Introduction to Law	3 units

Total Required Major Units: 27 - 28

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

AS-T Administration of Justice for Transfer

Required Core Courses:		Units
ADMJ 100	Introduction to Administration of Justice	3 units
ADMJ 104	Concepts of Criminal Law	3 units

List A - Select two courses:		Units
ADMJ 102	Principles and Procedures of Justice	3 units
ADMJ 106	Legal Aspects of Evidence	3 units
ADMJ 108	Community Relations	3 units
ADMJ 120	Criminal Investigation	3 units

List B - Select two courses:		Units
SOCI 100	Introduction to Sociology	3 units
PSYC 100	General Psychology	3 units
PSYC 171	Quantitative Reasoning in Psychology	3 units

OR

MATH 200	Elementary Probability & Statistics	4 units
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Total Required Major Units: 18 - 19

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 3-9 major units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

CA Administration of Justice

For gainful employment information, see this program's [gainful employment website](#).

Required Courses	Units
ADMJ 100 Introduction to Administration of Justice	3 units
ADMJ 102 Principles and Procedures of Justice	3 units
ADMJ 104 Concepts of Criminal Law	3 units
ADMJ 106 Legal Aspects of Evidence	3 units
ADMJ 108 Community Relations	3 units
ADMJ 110 Police Report Writing	3 units

Plus a selection of 9-10 units from the following:

Units	
ADMJ 120 Criminal Investigation	3 units
ADMJ 123 Concepts of Enforcement Principles	3 units
ADMJ 125 Juvenile Procedures	3 units
ADMJ 134 Traffic Enforcement and Investigation	3 units
ADMJ 665 Selected Topics in Administration of Justice	0.5 - 2 units

ADMJ 670	Criminal Justice Internship (Cooperative Education)	4 units
LEGL 240	Introduction to Law	3 units

Total Required Units: 27 - 28**ANTHROPOLOGY****AA-T Associate in Arts Degree for Transfer**

Anthropology for Transfer..... 60 units

AA-T Anthropology for Transfer

The Associate in Arts in Anthropology for Transfer is intended for students who are interested in transferring to a California State University (CSU) campus with a major in Anthropology.

The Associate in Arts Degree for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

Program Learning Outcomes

Students completing this program will be able to:

1. Summarize and interpret the main theories in Anthropology that offer various explanations and understandings of diverse cultural, archaeological and biological processes that impact societies.
2. Critically consider, analyze, and research special issues in Anthropology and their effects on culture and society.
3. Recognize the importance of, and practice ethical behavior in a professional anthropological, both within academia and within the community.
4. Bring back into the community and apply the skills, abilities and knowledge acquired in the Anthropology Program for the betterment of others and themselves, and to further

the objectives of a deeper anthropological understanding of our world.

Required Core Courses		Units
ANTH 110	Cultural Anthropology	3 units
ANTH 125	Physical Anthropology	3 units
ANTH 150	Introduction to Archaeology: Bones, Beads and the Basics of Material Culture	3 units

List A: Select one course from the following:

		Units
ANTH 155	Human Prehistory and the Rise of Civilization	3 units
ANTH 180	Magic, Witchcraft and Religion	3 units
MATH 200	Elementary Probability & Statistics	4 units

List B: Select one course from the following

		Units
PSYC 105	Experimental Psychology	3 units
BIOL 250	Human Anatomy	4 units
GEOL 210	General Geology	4 units

List C: Select one course from the following:

		Units
ANTH 165	Sex and Gender: Cross-Cultural Perspectives	3 units
ANTH 170	Anthropology of Death	3 units
ANTH 360	Native Peoples of North America	3 units
GEOG 110	Cultural Geography	3 units
HIST 104	World Civilizations I	3 units
HIST 106	World Civilizations II	3 units
HIST 235	History of Ethnic Groups in the United States	3 units
HIST 240	History of Ethnic Groups in California	3 units
HIST 244	African American History	3 units
HIST 420	Survey of Latin American History	3 units
HIST 429	History of Latinos in the United States	3 units
HIST 430	Early Asian Civilizations	3 units

HIST 432	Modern Asian Civilizations	3 units
HIST 435	History of the Philippines	3 units
HIST 436	Filipinos in America	3 units
HIST 444	Survey of Sub-Saharan African History	3 units
HIST 453	History of China	3 units
SOCI 141	Race and Ethnicity	3 units
SOCI 142	Filipina/o Community Issues	3 units
SOCI 201	Sociology of Health and Medicine	3 units

Total Required Major Units: 18 - 20

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 9-19 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

ART

AA Associate in Arts Degree Program

Art..... 60 units

AA-T Associate in Arts Degree for Transfer

Art History for Transfer.....60 units

Studio Arts for Transfer..... 60 units

AA Art

Skyline College's Art Program ensures a strong foundation in the visual arts. Enrolling in studio courses provides opportunities to explore the diversity of methods and materials to make art. Drawing, painting, photography, digital arts and other 2-d arts, 3-d media like sculpture and

ceramics, studies in film and video, are all available to the student. Art History and Art Appreciation courses offer students an exploration of art through historical times and places, to make connections to the student's own life.

Career Opportunities

An education in art fosters creativity, encourages independent thinking, and develops personal expression. Art is a broad field where one may apply training in visual foundations to a wide range of careers that include architecture, archiving, art conservation/restoration, art direction, art education, art history, art sales, art therapy, digital art, digital animation, commercial photography, courtroom sketching, curating, fashion design, fine art, fine art photography, forensic art, graphic design, illustration, interior design, industrial design, interactive design, museum/gallery direction, theater and movie set design, UI/UX, video game design, videography and cinematography, visual merchandising, web design, window design, and other creative job paths.

Program Learning Outcomes

Students completing this program will be able to:

1. Students will develop visual literacy through communication, analysis, and reflection of artworks and the concepts and influences from which artworks originate.
2. Students will develop physical/technical skills within an art/design based medium to be used as tools for creative expression

Required Core Courses

Select two courses (6 units minimum) from the following: **Units**

ART 101	History of Western Art I	3 units
ART 102	History of Art II	3 units
ART 105	Art of Asia & the Near East	3 units
ART 107	Art of Our Times	3 units
ART 117	Arts of Africa and the African Diaspora	3 units
ART 120	Art of the Americas	3 units

Studio Foundation Courses (9 units): **Units**

ART 204	Drawing I	3 units
ART 301	Two-Dimensional Design	3 units
ART 401	Three-Dimensional Design	3 units

Select two courses (6 units minimum) from the following:

		Units
ART 207	Life Drawing	3 units
ART 208	Portrait Drawing I	3 units
ART 214	Color	3 units
ART 221	Painting I	3 units
ART 231	Watercolor I	3 units
ART 234	Printmaking I	3 units
ART 351	Black and White Photography I	3 units
ART 354	Digital Photography I	3 units
ART 405	Sculpture I	3 units
ART 411	Ceramics I	3 units
ART 430	Introduction to Digital Art	3 units
ART 431	Digital Imaging I: Photoshop	3 units
ART 435	Digital Illustration	3 units

Plus a selection of two or more courses (6 units minimum) from the following list or in any other Art courses not taken from the lists above: **Units**

ART 205	Drawing II	3 units
ART 209	Portrait Drawing II	3 units
ART 217	Intermediate Life Drawing	3 units
ART 232	Watercolor II	3 units
ART 239	Printmaking II: Monotype, Monoprint and Mixed Media	3 units
ART 352	Black and White Photography II	3 units
ART 353	Black and White Photography III	3 units
ART 355	Digital Photography II	3 units
ART 406	Sculpture II	3 units
ART 407	Sculpture III: Direct Metal	3 units
ART 412	Ceramics II	3 units
ART 417	Ceramic Glazing Techniques	3 units
ART 418	Ceramics III	3 units
ART 432	Digital Imaging II: Advanced Photoshop	3 units
ART 440	Introduction to Web Design	3 units
ART 441	Intermediate Web Design	3 units
ART 479	Typography	3 units

Total Required Major Units: 27

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

AA-T Art History for Transfer

The Associate in Arts in Art History for Transfer degree from Skyline College prepares students for transfer into the CSU system to obtain a degree in Art History or a closely related discipline. The degree promotes an understanding of art across time, cultures and geographic boundaries. Students are taught to apply fundamental art and art historical terminology and methodologies to analyze works, in order to articulate the historical, social, and aesthetic functions of art.

The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

Career Opportunities

An education in art fosters creativity, encourages independent thinking, and develops personal expression. Art is a broad field where one may apply training in visual foundations to a wide range of careers that include architecture, archiving, art conservation/restoration, art direction, art education, art history, art sales, art therapy, digital art, digital animation, commercial photography, courtroom sketching, curating, fashion design, fine art, fine art photography, forensic art, graphic design, illustration, interior design, industrial design, interactive design, museum/gallery direction, theater and movie set design, UI/UX, video game design, videography and cinematography, visual merchandising, web design, window design, and other creative job paths

Program Learning Outcomes

Students completing this program will be able to:

1. Students will develop visual literacy through communication, analysis, and reflection of

artworks and the concepts and influences from which artworks originate.

2. Students will develop physical/technical skills within an art/design based medium to be used as tools for creative expression.

Required Core Courses		Units
ART 101	History of Western Art I	3 units
ART 102	History of Western Art II	3 units
ART 204	Drawing I	3 units

List A - Select one course from the following:		Units
ART 105	Art of Asia & the Near East	3 units
ART 120	Art of the Americas	3 units

List B - Select one course from the following:		Units
ART 207	Life Drawing	3 units
ART 301	Two-Dimensional Design	3 units
ART 351	Black and White Photography I	3 units
ART 401	Three-Dimensional Design	3 units
ART 405	Sculpture I	3 units
ART 411	Ceramics I	3 units

List C - Select one course from the following:		Units
ART 107	Art of Our Times	3 units
ART 115	Art, Music and Ideas	3 units
ART 221	Painting I	3 units
ART 350	Visual Perception Through Photography	3 units
ANTH 110	Cultural Anthropology	3 units
ANTH 150	Introduction to Archaeology: Bones, Beads and the Basics of Material Culture	3 units
FILM 440	Film Study and Appreciation	3 units
HIST 104	World Civilizations I	3 units
HIST 106	World Civilizations II	3 units
PHIL 100	Introduction to Philosophy	3 units

Total Required Major Units: 18



General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 6-9 major units may be double counted to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

AA-T Studio Arts for Transfer

The Associate in Arts in Studio Arts for Transfer degree from Skyline College prepares students for transfer into the CSU system to obtain a degree in Studio Arts or a closely related discipline. The degree promotes historical and contemporary perspectives on the creation of art, the ability to analyze and understand compositional structure, and hands-on skills working in a variety of media.

The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

Career Opportunities

An education in art fosters creativity, encourages independent thinking, and develops personal expression. Art is a broad field where one may apply training in visual foundations to a wide range of careers that include architecture, archiving, art conservation/restoration, art direction, art education, art history, art sales, art therapy, digital art, digital animation, commercial photography, courtroom sketching, curating, fashion design, fine art, fine art photography, forensic art, graphic design, illustration,

interior design, industrial design, interactive design, museum/gallery direction, theater and movie set design, UI/UX, video game design, videography and cinematography, visual merchandising, web design, window design, and other creative job paths

Program Learning Outcomes

Students completing this program will be able to:

1. Students will develop visual literacy through communication, analysis, and reflection of artworks and the concepts and influences from which artworks originate.
2. Students will develop physical/technical skills within an art/design based medium to be used as tools for creative expression.

Required Core Courses

Units

ART 102	History of Western Art II	3 units
ART 204	Drawing I	3 units
ART 301	Two-Dimensional Design	3 units
ART 401	Three-Dimensional Design	3 units

List A - Select one course from the following:

Units

ART 101	History of Western Art I	3 units
ART 120	Art of the Americas	3 units

List B - Select three Curricular Areas from the following (9 units):

Units

Drawing		
ART 207	Life Drawing	3 units
Ceramics		
ART 411	Ceramics I	3 units
Sculpture		
ART 405	Sculpture I	3 units
Photography		
ART 351	Black and White Photography I	3 units
Other Media		
ART 231	Watercolor I	3 units
Second Semester Courses		
ART 232	Watercolor II	3 units
ART 406	Sculpture II	3 units

Total Required Major Units: 24

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 6 major units may be double counted to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

AUTOMOTIVE TECHNOLOGY

AS Associate in Science Degree Program

Automotive Technician.....60 units
 Automotive Technology..... 64 units

CA Certificate of Achievement

Asian Engine Performance Technology..... 19 - 23 units
 Automotive Advanced Engine Performance Technology.... 19 - 23 units

Automotive Chassis, Alignment & Brake Technology..... 19 - 23 units

Automotive Drive Train Technology..... 19 - 23 units

Automotive Electricity/Electronics..... 19 - 23 units

Automotive Engine Performance Technology..... 19 - 23 units

Automotive Engines Technology..... 19 - 23 units

CC Career Certificate

Automotive Entrepreneurship..... 10 units
 Automotive Technician - Entry Level..... 9 - 17 units

AS Automotive Technician

The College's Automotive Technology program is certified by the National Automotive Technicians Education Foundation (NATEF) of the National Institute for Automotive Service Excellence (ASE).

The program is conducted in a well-equipped facility with a large fleet of late model domestic and import vehicles. Automobile manufacturers provide substantial support for the program.

Students can pursue a certificate or degree in Automotive Technology or a specialty degree or certificate in Japanese Automotive Technology. Our partnership with American Honda Motor Co., Inc. provides employment opportunities for students enrolled in our programs. The College also provides numerous classes to update the knowledge and skills of practicing technicians.

Program Learning Outcomes

Students completing this program will be able to:

1. Successfully pass 3 out of 8 Automotive Service Excellence (ASE) exams
2. Apply theories, principles, and concepts to address skills learned that would apply to the NATEF Certified areas of the Automotive Technology Program.
3. Exhibit strong and effective written and oral communication skills.
4. Exhibit strong electrical and mechanical analytical diagnostic skills.
5. Recognize the importance of and practice ethical behavior in a professional work setting, both within the workforce and within the community.
6. Successfully complete 100% of P-1 NATEF specific tasks.
7. Successfully complete 95% of the P-2 NATEF specific tasks.
8. Successfully complete 65% of the P-3 NATEF specific tasks.

Required Core Courses

Units

AUTO 758	Automotive Computer Controls	3 units
	OR	
AUTO 858	Automotive Computer Controls (Apprenticeship)	3 units
AUTO 541	Electricity and Electronics I	2.5 units
	OR	
AUTO 941	Electricity and Electronics I (Apprenticeship)	2.5 units
AUTO 542	Electricity and Electronics II	2.5 units
	OR	
AUTO 942	Electricity and Electronics II (Apprenticeship)	2.5 units
AUTO 777	Automatic Transmissions I	3 units
	OR	
AUTO 832	Automatic Transmissions I (Apprenticeship)	3 units



AUTO 786	Automotive Air Conditioning I OR	2 units
AUTO 860	Automotive Air Conditioning I (Apprenticeship)	2 units
AUTO 790	Automotive Brakes I OR	2 units
AUTO 850	Automotive Brakes I (Apprenticeship)	2 units
AUTO 792	Automotive Chassis I OR	3 units
AUTO 853	Automotive Chassis I (Apprenticeship)	3 units

Plus a selection of 22 units from the following:

		Units
AUTO 510	Basic Hybrid Powertrains OR	4 units
AUTO 910	Basic Hybrid Powertrains (Apprenticeship)	4 units
AUTO 511	Principles of Hybrid and Electric Drives	7 units
AUTO 524	Smog Check Inspector Training Level I OR	3.5 units
AUTO 824	Smog Check Inspector Training Level I (Apprenticeship)	3.5 units
AUTO 525	Smog Check Inspector Training Level II OR	2 units
AUTO 825	Smog Check Inspector Training Level II (Apprenticeship)	2 units
AUTO 739	OBD II Evaporative Emission Systems OR	1.5 units
AUTO 839	OBD II Evaporative Emission Systems (Apprenticeship)	1.5 units
AUTO 754	High Performance Engines I OR	3 units
AUTO 854	High Performance Engines I (Apprenticeship)	3 units
AUTO 755	High Performance Engines II OR	3 units
AUTO 855	High Performance Engines II (Apprenticeship)	3 units

AUTO 765	Ignition Systems I OR	1.5 units
AUTO 865	Ignition Systems I (Apprenticeship)	1.5 units
AUTO 768	On-Board Diagnostics II (OBDII) OR	3 units
AUTO 868	On-Board Diagnostics II (OBDII) (Apprenticeship)	3 units
AUTO 769	Head & Valve Service OR	2 units
AUTO 822	Head and Valve Services (Apprenticeship)	2 units
AUTO 776	Drive Lines and Differentials OR	2 units
AUTO 830	Drive Lines and Differentials (Apprenticeship)	2 units
AUTO 778	Manual Transmissions I OR	2 units
AUTO 878	Manual Transmissions I (Apprenticeship)	2 units
AUTO 779	Block Service OR	2 units
AUTO 823	Block Service (Apprenticeship)	2 units
AUTO 787	Automatic Transmissions II OR	3 units
AUTO 887	Automatic Transmissions II (Apprenticeship)	3 units
AUTO 791	Automotive Chassis II OR	2 units
AUTO 852	Automotive Chassis II (Apprenticeship)	2 units
AUTO 793	Engine Performance OR	3 units
AUTO 893	Engine Performance (Apprenticeship)	3 units

Total Required Major Units: 40

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

AS Automotive Technology

The College's Automotive Technology program is certified by the National Automotive Technicians Education Foundation (NATEF) of the National Institute for Automotive Service Excellence (ASE). Students completing the program will be prepared to take all 8 Automotive Service Exams (ASE) in the Automotive Technology Program giving them additional certification desired in the industry when they seek employment. In addition, students who complete the program will be able to obtain a California Smog Check Technician License. Visit the National Automotive Technicians Education Foundation (NATEF) website for more information at <http://www.natef.org/Home.aspx> and the California Department of Consumer Affairs, Bureau of Automotive Repair at <http://www.bar.ca.gov/>.

The program is conducted in a well-equipped facility with a large fleet of late model domestic and import vehicles. Automobile manufacturers provide substantial support for the program.

Students can pursue a certificate or degree in Automotive Technology or a specialty degree or certificate in Japanese Automotive Technology. Our partnership with American Honda Motor Co., Inc. provides employment opportunities for students enrolled in our programs. The College also provides numerous classes to update the knowledge and skills of practicing technicians.

Skyline College's Automotive Program is accredited by:

National Automotive Technicians Education Foundation
101 Blue Seal Drive S.E., Suite 101
Leesburg, VA 20175
Telephone: (703) 669-6650

ADMISSION PROCEDURES AND REQUIREMENTS

Applications must be received by April 15 for the fall semester and by November 1 for the spring semester. **All documents must be sent to the Office of Admissions and Records.** Applications received after the deadline will be assigned the next available number on a waiting list according to the date received. Applicants will be informed of the status of their applications within six weeks of the application deadline. Applicants are responsible for submitting the following:

1. Completed Automotive Technology Program Application.
2. Completed Skyline College application
3. Documented proof of prior experience. All statements must be substantiated by attached documents of verification (a transcript or letter from employer). Such documentation may come from one or more of the following:
 - One semester of AUTO 710 at Skyline College (or equivalent from another community college) with a grade of "B" or better. (Submit a copy of your final

grade report with your application or a letter from your instructor.)

or

- One year of high school automotive training with a grade of "B" or better (verified by official transcript). Also, a letter of recommendation from an automotive instructor or Tech Prep Certificate of Credit would be important considerations.

or

- One year of ROP automotive training with a grade of "B" or better or equivalent training. (Certificate and letter from instructor must be submitted with application.)

or

- One year of full-time related work experience with accompanying letter of verification from employer specifying employment dates and duties.

4. All students must meet the math proficiency requirements in one of the following ways:

- Satisfactory completion of the placement test by scoring on the Skyline Placement Test at a pre-algebra level. (Submit a copy of the Math Placement Test results with the application.)

or

- Completion of three units of MATH 811 or equivalent with a grade of "C" or better. (Submit a copy of the college transcript with the application.)

5. All students and must meet the English proficiency requirement by:

- Eligibility for ENGL 846, 100, or ESOL 400, on the Skyline College English Placement Test or qualifying course work. (Submit a copy of your English Placement Test results or final grade report from your qualifying course work with the application.)

or

- Completion of ENGL 828 with a grade of "C" or better. (Submit a copy of your final grade report with the application.)

Note: Minimum requirements may be lowered at the discretion of the selection committee depending on the number of available seats and the number of applicants.

Once the applicant has completed items 1 through 5 and met all criteria for admission to the program, he/she will receive the next available number on the admission waiting list to be admitted to the program as opportunities occur. The waiting list will be in effect for the semester in which the applicant is applying. Students who are not accepted may resubmit their application if they wish to be considered for admission to any subsequent semester. For further information on the Automotive Program, please call 738-4438.

Program Learning Outcomes

Students completing this program will be able to:

1. Successfully pass 3 out of 8 Automotive Service Excellence (ASE) exams.



2. Apply theories, principles, and concepts to address skills learned that would apply to the NATEF Certified areas of the Automotive Technology Program.
3. Exhibit strong and effective written and oral communication skills.
4. Exhibit strong electrical and mechanical analytical diagnostic skills.
5. Recognize the importance of and practice ethical behavior in a professional work setting, both within the workforce and within the community.
6. Successfully complete 100% of P-1 NATEF specific tasks.
7. Successfully complete 95% of the P-2 NATEF specific tasks.
8. Successfully complete 65% of the P-3 NATEF specific tasks.

Required Core Course **Units**

AUTO 713	Automotive Electricity and Electronics	15 units
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Plus a selection of 30 units from the following:

		Units
AUTO 546	Body Control Systems	15 units
AUTO 721	Automotive Steering, Suspension & Brakes	15 units
AUTO 734	Automotive Engine Diagnosis and Repair	15 units
AUTO 735	Automotive Transmission & Drive Trans Diagnosis and Repair	15 units
AUTO 745	Asian Brakes and Chassis	15 units
AUTO 749	Asian Engine Performance	15 units
AUTO 751	Automotive Engine Performance	15 units
AUTO 752	Advanced Engine Performance	15 units

Total Required Major Units: 45

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

CA Asian Engine Performance Technology

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
AUTO 710	Fundamentals of Automotive Technology	4 units
OR		
AUTO 711	Automotive Entry Level Technician - Career Advancement Academy	8 units
AUTO 749	Asian Engine Performance	15 units

Total Required Units: 19 - 23

CA Automotive Advanced Engine Performance Technology

Required Courses		Units
AUTO 710	Fundamentals of Automotive Technology	4 units
OR		
AUTO 711	Automotive Entry Level Technician - Career Advancement Academy	8 units
AUTO 752	Advanced Engine Performance	15 units

Total Required Units: 19 - 23

CA Automotive Chassis, Alignment & Brake Technology

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
AUTO 710	Fundamentals of Automotive Technology	4 units
OR		

AUTO 711	Automotive Entry Level Technician - Career Advancement Academy	8 units
AUTO 721	Automotive Steering, Suspension & Brakes	15 units

Total Required Units: 19 - 23

CA Automotive Drive Train Technology

Required Courses	Units
AUTO 710 Fundamentals of Automotive Technology OR	4 units
AUTO 711 Automotive Entry Level Technician - Career Advancement Academy	8 units
AUTO 735 Automotive Transmission & Drive Trans Diagnosis and Repair	15 units

Total Required Units: 19 - 23

CA Automotive Electricity/Electronics

Required Courses	Units
AUTO 710 Fundamentals of Automotive Technology OR	4 units
AUTO 711 Automotive Entry Level Technician - Career Advancement Academy	8 units
AUTO 713 Automotive Electricity and Electronics	15 units

Total Required Units: 19 - 23

CA Automotive Engine Performance Technology

Required Courses	Units
AUTO 710 Fundamentals of Automotive Technology OR	4 units
AUTO 711 Automotive Entry Level Technician - Career Advancement Academy	8 units
AUTO 751 Automotive Engine Performance	15 units

Total Required Units: 19 - 23

CA Automotive Engines Technology

Required Courses	Units
AUTO 710 Fundamentals of Automotive Technology OR	4 units
AUTO 711 Automotive Entry Level Technician - Career Advancement Academy	8 units
AUTO 734 Automotive Engine Diagnosis and Repair	15 units

Total Required Units: 19 - 23

CC Automotive Entrepreneurship

Required Courses	Units
BUS. 150 Entrepreneurship - Small Business Management	3 units
MGMT 100 Introduction to Business Management	3 units
AUTO 753 Automotive Service Advising OR	3 units
AUTO 851 Automotive Service Advising (Apprenticeship)	3 units



AUTO 670	Vocational Cooperative Education in Automotive	1 unit
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Total Required Units: 10

CC Automotive Technician - Entry Level

For gainful employment information, see this program's [gainful employment website](#).

Required Courses	Units
AUTO 711 Automotive Entry Level Technician - Career Advancement Academy	8 units
COUN 657 Auto Guidance Seminar - Career Advancement Academy	1 unit

Students are required to take English and Math placement tests. If students place at or below ENGL 846 and MATH 811, they are required to take the elective classes.

Elective Courses	Units
ENGL 846 Reading & Writing Connections	5 units
MATH 811 Fundamentals of Mathematics	3 units

Total Required Units: 9 - 17

BIOLOGY

AS Associate in Science Degree Program

Allied Health Science.....	60 units
Biotechnology.....	60 units
Natural Science.....	60 units

AS-T Associate in Science Degree for Transfer

Biology for Transfer.....	60 units
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AS Allied Health Science

Careers in Allied Health professions are among the fastest growing in Northern California. The Associate in Science Degree with a major in Allied Health provides foundation courses necessary for health careers and for transfer programs to four-year colleges and universities.

Program Learning Outcomes

Students completing this program will be able to:

1. Use aseptic technique in clinical and laboratory environments.
2. Discuss and understand the role of microorganisms in healthy individuals and in infectious diseases.
3. Demonstrate understanding of the structure of the human body.
4. Demonstrate an understanding of the functions of the organ systems of the human body.
5. Apply the concept of homeostasis to basic principles in medicine.
6. Discuss and understand the principles of cellular metabolism, molecular genetics, and immunology.
7. Demonstrate the ability to report scientific information appropriately and effectively
8. Utilize the scientific method to analyze and interpret data.
9. Use the periodic table and other reference sources to gather information needed to solve chemical problems
10. Identify functional groups or reaction types and understand the role of biologically important molecules (carbohydrates, lipids, proteins, and nucleic acids) in the body.

Required Core Courses	Units
BIOL 240 General Microbiology	4 units
BIOL 250 Human Anatomy	4 units
BIOL 260 Human Physiology	5 units
CHEM 410 Chemistry for Health Sciences	4 units
OR	
CHEM 210 General Chemistry I	5 units

Plus a selection of at least 3 units from the following:

	Units
BIOL 110 Principles of Biology	4 units
BIOL 130 Human Biology	3 units
BIOL 215 Organismal Biology: Core I	5 units

BIOL 230	Introduction to Cell Biology: Core II	5 units
CHEM 220	General Chemistry II	5 units
HSCI 180	Gateway to Health Careers	3 units
EMC. 400	Emergency Medical Responder	2.5 units
FCS 310	Nutrition	3 units
PHYS 210	General Physics I	4 units

Total Required Major Units: 20 - 21

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

AS Biotechnology

The Biotechnology degree and certificates prepare graduates for careers in the life science industry and for transfer. Students receive hands-on training in biology and chemistry and master a variety of skills essential to the field of biotechnology.

Biotech technicians perform experiments and assays, manufacture products, or assist with research. Key tasks include testing procedures, material processing, equipment maintenance, inventory control and data collection and evaluation. Technicians also observe and document safe practices, quality assurance, record keeping and compliance with government regulations.

Required Core Courses		Units
BIOL 215	Organismal Biology: Core I	5 units
BIOL 230	Introduction to Cell Biology: Core II	5 units
BIOL 240	General Microbiology	4 units
CHEM 234	Organic Chemistry I	3 units
CHEM 235	Organic Chemistry II	3 units
CHEM 237	Organic Chemistry Lab I	2 units
CHEM 238	Organic Chemistry Lab II	2 units

Total Required Major Units: 24

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

AS Natural Science

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate understanding of how the major groups of living organisms are related to each other and of their adaptations for survival.
2. Demonstrate understanding of the major concepts in cell biology, and the experimental approaches take to address them.
3. Write clear and well-argued descriptions of topics in science, based on the course material and articles.
4. Master laboratory techniques including microscopy, spectrophotometry, gel electrophoresis, and PCR.
5. Design, perform and analyze experiments.
6. Continue with upper division coursework in Biology.

Select 18-24 units from the following: Units

BIOL 215	Organismal Biology: Core I	5 units
BIOL 230	Introduction to Cell Biology: Core II	5 units
BIOL 260	Human Physiology	5 units
CHEM 210	General Chemistry I	5 units
CHEM 220	General Chemistry II	5 units
CHEM 234	Organic Chemistry I	3 units
AND		
CHEM 237	Organic Chemistry Lab I	2 units
CHEM 235	Organic Chemistry II	3 units
AND		
CHEM 238	Organic Chemistry Lab II	2 units
COMP 155	Computer Programming Visual Basic	3 units
COMP 250	Programming Methods I: C++	3 units
GEOL 210	General Geology	4 units
PHYS 210	General Physics I	4 units
PHYS 220	General Physics II	4 units
PHYS 250	Physics with Calculus I	4 units
PHYS 260	Physics with Calculus II	4 units
PHYS 270	Physics with Calculus III	4 units

Total Required Major Units: 18 - 24

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

AS-T Biology for Transfer

The Associate in Science in Biology for Transfer (AS-T) prepares students for seamless transfer to a CSU to obtain a degree in Biological Sciences or a closely related discipline. Additionally, this degree allows student to learn the fundamental principles and practices in Biology in order to create a solid foundation and solid preparation that is appropriate for a variety of scientific disciplines. The AS-T courses for Biology are intended to provide a solid foundation for the student who wishes to pursue further study at the baccalaureate level and for some graduate level programs, or enter a pre-professional or professional program in a health-related field.

The Associate in Science in Biology for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in Biology or a closely related discipline at a California State University (CSU) campus. Students completing this degree are guaranteed admission to the California State University system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. In addition to the AS-T Biology courses, students should refer to the requirements of prospective institutions or seek advice from discipline faculty or counselor to prepare for upper division coursework.

To earn an Associate in Science in Biology for Transfer (AS-T), students must satisfy the following requirements:

1. Complete a minimum of 60 CSU " transferable semester units;
2. Earn a minimum grade point average (GPA) of at least a 2.0 in all CSU " transferable coursework;
3. Complete a minimum of 18 semester units in a "AS-T" major. Note: All courses in the major must be completed with a grade of "C" or better or a "P" if the course is taken on a "pass " no pass" basis;
4. Certified completion of the California State University General Education " Breadth pattern (CSU GE Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

Please note: For further information, please meet with a Skyline College Counselor.

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate understanding of how the major groups of living organisms are related to each other and of their adaptations for survival.

2. Demonstrate understanding of the major concepts in cell biology, and the experimental approaches taken to address them.
3. Write clear and well-argued descriptions of topics in biological sciences, based on the course material and articles.
4. Master laboratory techniques including microscopy, spectrophotometry, gel electrophoresis, and PCR.
5. Design, perform and analyze experiments in biology.
6. Apply principles of math, chemistry and physics to the study of biology.
7. Apply knowledge of biological organisms and principles in advanced courses in order to transfer to four year institutions.

Core Courses (10 units)

Units

BIOL 215	Organismal Biology: Core I	5 units
BIOL 230	Introduction to Cell Biology: Core II	5 units

Supporting Science and Mathematics (23 units)

Units

CHEM 210	General Chemistry I	5 units
AND		
CHEM 220	General Chemistry II	5 units
MATH 251	Calculus with Analytic Geometry I	5 units
OR		
MATH 241	Applied Calculus I	5 units
PHYS 210	General Physics I	4 units
AND		
PHYS 220	General Physics II	4 units
OR		
PHYS 250	Physics with Calculus I	4 units
AND		
PHYS 260	Physics with Calculus II	4 units

Total Required Major Units: 33

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth) for STEM,
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern for STEM.

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

A total of 9-10 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline Associate Degree Requirements.

Students are recommended to complete additional major preparation for a target CSU campus prior to transfer:		
CHEM 234 + 237	Organic Chemistry 1	5
CHEM 235 + 238	Organic Chemistry II	5

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

BIOTECHNOLOGY

AS Associate in Science Degree Program

Biotechnology Manufacturing Technician.....60 units

CA Certificate of Achievement

Biotechnology Manufacturing Assistant.....21 - 24 units

Biotechnology Manufacturing Technician.....33 units

AS Biotechnology Manufacturing Technician

The Associate of Science in Biotechnology Manufacturing Technician prepares graduates with the skills and experience to work in the biotechnology industry as a production technician. A production technician operates and maintains equipment used to manufacture protein pharmaceutical products. Students will culture and maintain bacteria, yeast, and mammalian cells as well as gain experience in the recovery of proteins that the cultures produce. Students will develop skills in good manufacturing practices (GMP) by maintaining records and following standard operating procedures. Students will be practiced in industry quality assurance procedures and government regulations. Due to the nature of culturing microorganisms, students enrolled in the program must be able to adjust their time to a flexible schedule.

Career Opportunities

Students who complete this program will gain experience in biotechnology positions which require additional industry specific training. The BTEC classes 150, 210 and 220 will give the students specific training that will allow students to apply for and function as entry level Biotechnology Technician, Manufacturing Production Technician, and Quality Control Analyst.

Program Learning Outcomes

Students completing this program will be able to:

1. Understand the structure and function of protein pharmaceuticals and evaluate which protein properties a production facility can exploit to purify a particular protein from other cellular components.
2. Construct a pathway analyzing how a drug or biologic is produced by genetically engineered cells and subsequently purified.
3. Evaluate a Standard Operating Procedure (SOP) and work through the proper channels to facilitate modifications.
4. Perform Quality evaluations on a process or procedure that is performed during Manufacturing while part of a team.

		Units
BTEC 400	Foundations of Biotechnology	2 units
BTEC 170	Principles of Applied Bioscience	3 units
BTEC 171	Laboratory Principles of Applied Bioscience	1 unit
BTEC 150	Biotechnology Instrumentation: Quality Control and Genetic Engineering	4 units
BTEC 210	Business and Regulatory Practices in Biotechnology	3 units
BTEC 220	Cell Culture and Protein Recovery	4 units
BIOL 230	Introduction to Cell Biology: Core II	5 units
CHEM 210	General Chemistry I	5 units
MATH 200	Elementary Probability & Statistics	4 units
COOP 670	Vocational Cooperative Education	2 units

Plus General Education and other requirements for the Associate degree (refer to Associate Degree Requirements).

Total Required Major Units: 33

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

CA Biotechnology Manufacturing Assistant

At the completion of this program students are prepared for entry employment in Biotechnology Manufacturing. The program introduces students to current trends and processes in the biotechnology field. Students will achieve workforce readiness for entry level Manufacturing assistant positions in the stock room, assembly, and packaging.

Career Opportunities

Students who complete this program will gain experience in entry level position in biotechnology. They will have gained the training that would allow them to function in an entry level Manufacturing assistant position in Biotechnology, working in stock room, assembly and packaging.

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate competence in skills and abilities as a manufacturing assistant.
2. Practice employment soft skills necessary in Biotechnology Manufacturing.
3. Create a resume and submit the resume to a local biotechnology company.

Units

BTEC 400	Foundations of Biotechnology	2 units
BTEC 170	Principles of Applied Bioscience	3 units
BTEC 171	Laboratory Principles of Applied Bioscience	1 unit
BCM. 200	Intro to MS Office Suite	2 units
COUN 100	College Success	3 units
CRER 145	Soft Skills for the Workplace	1 unit
ENGL 100	Composition	3 units
MATH 120	Intermediate Algebra	5 units
COOP 670	Vocational Cooperative Education	1 - 4 units

Total Required Units: 21 - 24

CA Biotechnology Manufacturing Technician

The Certificate of Achievement in Biotechnology Manufacturing Technician prepares graduates with the skills and experience to work in the biotechnology industry as a production technician. A production technician operates and maintains equipment used to manufacture protein pharmaceutical products. Students will culture and maintain bacteria, yeast, and mammalian cells as well as gain experience in the recovery of proteins that the cultures produce. Students will develop skills in good manufacturing practices (GMP) by maintaining records and following standard operating procedures. Students will be practiced in industry quality assurance procedures and government regulations. Due to the nature of culturing microorganisms, students enrolled in the program must be able to adjust their time to a flexible schedule.

The Certificate of Achievement is for students who have already obtained a minimum of an Associate Degree and have completed required preparatory science courses.

Career Opportunities

Students who complete this program will gain experience in positions in biotechnology which require additional industry specific training. The BTEC classes 150, 210 and 220 will give the students specific training that will allow students to apply for and function as entry level Biotechnology Technician, Manufacturing Production Technician, and Quality Control Analyst.

Program Learning Outcomes

Students completing this program will be able to:

1. Understand the structure and function of protein pharmaceuticals and evaluate which protein properties a production facility can exploit to purify a particular protein from other cellular components.
2. Construct a pathway analyzing how a drug or biologic is produced by genetically engineered cells and subsequently purified.
3. Evaluate a Standard Operating Procedure (SOP) and work through the proper channels to facilitate modifications.
4. Perform Quality evaluations on a process or procedure that is performed during Manufacturing while part of a team.

Units

BTEC 400	Foundations of Biotechnology	2 units
BTEC 170	Principles of Applied Bioscience	3 units

BTEC 171	Laboratory Principles of Applied Bioscience	1 unit
BTEC 150	Biotechnology Instrumentation: Quality Control and Genetic Engineering	4 units
BTEC 210	Business and Regulatory Practices in Biotechnology	3 units
BTEC 220	Cell Culture and Protein Recovery	4 units
BIOL 230	Introduction to Cell Biology: Core II	5 units
CHEM 210	General Chemistry I	5 units
MATH 200	Elementary Probability & Statistics	4 units
COOP 670	Vocational Cooperative Education	2 units

Plus General Education and other requirements for the Associate degree (refer to Associate Degree Requirements).

Total Required Units: 33

BUSINESS

AA Associate in Arts Degree Program

Asian Studies.....60 units

AS Associate in Science Degree Program

Business Management.....60 units

AS-T Associate in Science Degree for Transfer

Business Administration for Transfer.....60 units

CA Certificate of Achievement

Asian Studies.....21 units

Business Administration.....29 - 32 units

Business Management.....31 units

Chinese Studies.....15 units

Entrepreneurship and Small Business Management 24 units

Office Assistant.....18 units

CS Certificate of Specialization: Not Transcript Reported

Entrepreneurship.....12 units

Warehousing and Logistics.....17 units

SC Skills Certificate

Entry-Level Warehousing.....4 units

AA Asian Studies

The Asian Studies: Language, Commerce and Culture program is designed to strengthen Asian area studies and foreign languages across the curriculum to prepare students to function effectively in the areas of culture, commerce and languages with some of America's biggest trading partners. The program provides an interdisciplinary approach to explore the diverse cultures, languages, societies, history, political economy, and commerce of Asia.

Program Learning Outcomes

Students completing this program will be able to:

1. Exhibit effective oral and written communication.
2. Compare and contrast the management styles such as organization structures, competitive strategies, and cultural influences within Asia and the western world.
3. Show increased tolerance and cultural understanding through skillful learning about non-western cultures and societies.

Required Core Courses

		Units
BUS. 248	Asian Management Systems	3 units
ECON 310	Political Economy of Asia	3 units
HIST 432	Modern Asian Civilizations	3 units

Plus a minimum of 6 units from the following:

		Units
CHIN 111	Elementary Chinese I	3 units
CHIN 112	Elementary Chinese II	3 units
FILI 110	Elementary Filipino	5 units
FILI 111	Elementary Filipino I	3 units
FILI 112	Elementary Filipino II	3 units
FILI 120	Advanced Elementary Filipino	5 units

Plus a minimum of 6 units from the following:

		Units
ART 105	Art of Asia & the Near East	3 units
BUS. 221	Intercultural Business Communication	3 units

BUS. 241	Doing Business in Asia	3 units
BUS. 246	Doing Business in China	3 units
BUS. 670	Vocational Cooperative Education in Business	3 units
GEOG 110	Cultural Geography	3 units
HIST 430	Early Asian Civilizations	3 units
HIST 453	History of China	3 units
LIT. 265	Asian American Literature	3 units
PLSC 130	International Relations	3 units

Total Required Major Units: 21

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

AS Business Management

The Business Management degree program is designed for students who are interested in a professional degree in business, marketing, education, or training, as well as for students preparing for career entry positions. Whether considering positions in large corporations or thinking about starting your own company, the management degree provides broad knowledge of the key management functions of business. The degree combines management, marketing, legal, accounting, communications, and human relations courses, along with additional business and economic courses to prepare a person to assume a management position.

Program Learning Outcomes

Students completing this program will be able to:

1. **Critical Thinking:** Apply critical thinking and analytical skills in decision making and problem solving.
2. **Accounting/Financial Accounting:** Apply accounting principles in business decision making.
3. **Business Law:** Understand how the law and the legal environment relate to business operations, including ethical implications.
4. **Intro to Business Information Systems:** Utilize multimedia and software applications to enhance business decision-making processes.
5. **Business Communications:** Create effective oral and written business communications utilizing modern communication technologies.

6. **Economics/Macroeconomics:** Analyze how external forces affect business practices.

Required Core Business Courses		Units
ACTG 121	Financial Accounting	4 units
BUS. 103	Introduction to Business Information Systems	3 units
BUS. 201	Business Law	3 units
BUS. 401	Business Communications	3 units
ECON 100	Principles of Macro Economics	3 units

Required Core Courses for the Major		Units
ACTG 131	Managerial Accounting	4 units
BUS. 100	Introduction to Business	3 units
BUS. 101	Human Relations at Work	3 units
BUS. 150	Entrepreneurship - Small Business Management	3 units
BUS. 180	Principles of Marketing	3 units
MGMT 100	Introduction to Business Management	3 units

Plus a minimum of 3 units from the following:		Units
BCM. 214	Word Processing I: Word	1 unit
BCM. 215	Word Processing II: Word	2 units
BCM. 225	Spreadsheets I: Excel	1 unit
BCM. 226	Spreadsheets II: Excel	2 units
BUS. 120	Mathematical Analysis for Business	3 units
BUS. 123	Statistics	3 units
BUS. 161	Creativity and Innovation in Entrepreneurship	3 units
BUS. 210	International Finance	
BUS. 221	Intercultural Business Communication	3 units
IBUS 243	Legal Environment of International Business	3 units
BUS. 246	Doing Business in China	3 units
COMM 110	Public Speaking	3 units
ECON 102	Principles of Microeconomics	3 units
ECON 111	The Economy Today	3 units

MATH 200	Elem Probability & Statistics	4 units
MATH 241	Applied Calculus I	5 units
MATH 251	Calculus with Analytic Geometry I	5 units
IBUS 100	Global Trade and Logistics I	3 units

Total Required Major Units: 38

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

AS-T Business Administration for Transfer

The Associate in Science Degree in Business Administration for Transfer is accredited by the Accreditation Council of Business Schools and Programs (ACBSP).

This degree is intended for students who are interested in transferring to a California State University (CSU) campus with a major in Business Administration.

The Associate in Science Degree for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an AS-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Program Learning Outcomes

Students completing this program will be able to:

1. Critical Thinking: Apply critical thinking and analytical skills in decision making and problem solving.
2. Accounting/Financial Accounting: Understand and apply accounting principles to prepare financial statements.
3. Business Law: Develop an understanding of the law and the legal environment as it relates to business operations, including its ethical implications.
4. Intro to Business Information Systems: Identify the basics of information technology and apply

software applications to enhance efficiency of business functions.

5. Business Communications: Create effective oral and written business communications utilizing modern communication technologies.
6. Economics/Macroeconomics: Demonstrate knowledge of basic economic concepts and how they affect business.

Required Core Courses

Required Core Courses		Units
ACTG 121	Financial Accounting	4 units
ACTG 131	Managerial Accounting	4 units
ECON 100	Principles of Macro Economics	3 units
ECON 102	Principles of Microeconomics	3 units
BUS. 201	Business Law	3 units

List A: Select one course from the following:

List A: Select one course from the following:		Units
BUS. 123	Statistics	3 units
OR		
MATH 200	Elem Probability & Statistics	4 units

List B: Select two courses from the following:

List B: Select two courses from the following:		Units
BUS. 100	Introduction to Business	3 units
BUS. 103	Introduction to Business Information Systems	3 units
MATH 241	Applied Calculus I	5 units
OR		
MATH 251	Calculus with Analytic Geometry I	5 units
BUS. 401	Business Communications	3 units

Total Required Major Units: 26 - 29

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 12-14 major course units may be double counted to apply to meet general education requirements.

This degree does **not** require the Skyline Associate Degree Requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

CA Asian Studies

The Asian Studies: Language, Commerce and Culture program is designed to strengthen Asian area studies and foreign languages across the curriculum to prepare students to function effectively in the areas of culture, commerce and languages with some of America's biggest trading partners. The program provides an interdisciplinary approach to explore the diverse cultures, languages, societies, history, political economy, and commerce of Asia.

Program Learning Outcomes

Students completing this program will be able to:

1. Exhibit effective oral and written communication.
2. Compare and contrast the management styles such as organization structures, competitive strategies, and cultural influences within Asia and the western world.
3. Show increased tolerance and cultural understanding through skillful learning about non-western cul - tures and societies

For gainful employment information, see this program's [gainful employment website](#).

Required Core Courses	Units
BUS. 248 Asian Management Systems	3 units
ECON 310 Political Economy of Asia	3 units
HIST 432 Modern Asian Civilizations	3 units

Plus a minimum of 6 units from the following:	Units
CHIN 111 Elementary Chinese I	3 units
CHIN 112 Elementary Chinese II	3 units
FILI 110 Elementary Filipino	5 units
FILI 111 Elementary Filipino I	3 units
FILI 112 Elementary Filipino II	3 units
FILI 120 Advanced Elementary Filipino	5 units

Plus a minimum of 6 units from the following:

		Units
ART 105	Art of Asia & the Near East	3 units
BUS. 221	Intercultural Business Communication	3 units
BUS. 241	Doing Business in Asia	3 units
BUS. 246	Doing Business in China	3 units
BUS. 670	Vocational Cooperative Education in Business	3 units
GEOG 110	Cultural Geography	3 units
HIST 430	Early Asian Civilizations	3 units
HIST 453	History of China	3 units
LIT. 265	Asian American Literature	3 units
PLSC 130	International Relations	3 units

Total Required Units: 21

CA Business Administration

For gainful employment information, see this program's [gainful employment website](#).

Required Courses	Units
ACTG 121 Financial Accounting	4 units
ACTG 131 Managerial Accounting	4 units
BUS. 103 Introduction to Business Information Systems	3 units
BUS. 120 Mathematical Analysis for Business	3 units
OR	
MATH 241 Applied Calculus I	5 units
OR	
MATH 251 Calculus with Analytic Geometry I	5 units
BUS. 123 Statistics	3 units
OR	
MATH 200 Elem Probability & Statistics	4 units
BUS. 201 Business Law	3 units
ECON 100 Principles of Macro Economics	3 units
ECON 102 Principles of Microeconomics	3 units

Plus a minimum of 3 units from the following:

		Units
BUS. 150	Entrepreneurship - Small Business Management	3 units
BUS. 161	Creativity and Innovation in Entrepreneurship	3 units
BUS. 180	Principles of Marketing	3 units
BUS. 221	Intercultural Business Communication	3 units
BUS. 230	Introduction to International Marketing	3 units
BUS. 241	Doing Business in Asia	3 units
IBUS 243	Legal Environment of International Business	3 units
BUS. 246	Doing Business in China	3 units
BUS. 248	Asian Management Systems	3 units
BUS. 401	Business Communications	3 units
BCM. 225	Spreadsheets I: Excel	1 unit
BCM. 226	Spreadsheets II: Excel	2 units
BCM. 301	Maximizing Your Employment Potential	1.5 units
PSYC 300	Social Psychology	3 units
R.E. 100	Real Estate Principles	3 units
COMM 110	Public Speaking	3 units
COMM 150	Intercultural Communication	3 units
COMM 130	Interpersonal Communication	3 units
BUS. 101	Human Relations at Work	3 units

Total Required Units: 29 - 32

CA Business Management

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
ACTG 121	Financial Accounting	4 units
BUS. 100	Introduction to Business	3 units
BUS. 101	Human Relations at Work	3 units

BUS. 103	Introduction to Business Information Systems	3 units
BUS. 180	Principles of Marketing	3 units
BUS. 201	Business Law	3 units
BUS. 401	Business Communications	3 units
MGMT 100	Introduction to Business Management	3 units

Group A: Select 3 units from the following:

		Units
ACTG 131	Managerial Accounting	4 units
ECON 100	Principles of Macro Economics	3 units
ECON 102	Principles of Microeconomics	3 units
BUS. 120	Mathematical Analysis for Business	3 units
BUS. 123	Statistics	3 units
BUS. 161	Creativity and Innovation in Entrepreneurship	3 units
BUS. 163	Accounting and Finance for Entrepreneurs	3 units
BUS. 166	The Business Plan	3 units
BUS. 210	International Finance	
BUS. 221	Intercultural Business Communication	3 units

Group B: Select 3 units from the following:

		Units
ACTG 144	QuickBooks: Set-Up and Service Business	1.5 units
ACTG 145	QuickBooks: Payroll and Merchandising Business	1.5 units
BCM. 214	Word Processing I: Word	1 unit
BCM. 215	Word Processing II: Word	2 units
BCM. 225	Spreadsheets I: Excel	1 unit
BCM. 226	Spreadsheets II: Excel	2 units
BCM. 301	Maximizing Your Employment Potential	1.5 units
BUS. 670	Vocational Cooperative Education in Business	3 units
MGMT 450	Fundamentals of Construction Management	3 units
OR		
ESTM 450	Fundamentals of Construction Management	3 units

Total Required Units: 31**CA Chinese Studies**

The Asian Studies: Language, Commerce and Culture program is designed to strengthen Asian area studies and foreign languages across the curriculum to prepare students to function effectively in the areas of culture, commerce and languages with some of America's biggest trading partners. The program provides an interdisciplinary approach to explore the diverse cultures, languages, societies, history, political economy, and commerce of Asia.

Program Learning Outcomes

Students completing this program will be able to:

1. Exhibit effective oral and written communication.
2. Compare and contrast the management styles such as organization structures, competitive strategies, and cultural influences within Asia and the western world.
3. Show increased tolerance and cultural understanding through skillful learning about non-western cultures and societies

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
BUS. 246	Doing Business in China	3 units
HIST 453	History of China	3 units

Plus a minimum of 6 units from the following:		Units
CHIN 111	Elementary Chinese I	3 units
CHIN 112	Elementary Chinese II	3 units

Plus a minimum of 3 units from the following:		Units
ART 105	Art of Asia & the Near East	3 units
BUS. 221	Intercultural Business Communication	3 units
BUS. 241	Doing Business in Asia	3 units
BUS. 248	Asian Management Systems	3 units
ECON 310	Political Economy of Asia	3 units
GEOG 110	Cultural Geography	3 units
HIST 430	Early Asian Civilizations	3 units

HIST 432	Modern Asian Civilizations	3 units
LIT. 265	Asian American Literature	3 units
PLSC 130	International Relations	3 units

Total Required Units: 15**CA Entrepreneurship and Small Business Management**

This program prepares existing or potential entrepreneurs in a wide variety of small business functions. The following key areas are emphasized: Financial Management, Small Business Management, Communication, Marketing and Business Law. Students will prepare a comprehensive business plan with up-to-date approaches to small business management including: financial management, marketing management, business law, and how to profitably operate a small business.

This certificate is intended for business students and nonbusiness majors who have aspirations and goals in business that will require entrepreneurial and small business management skills.

Program Learning Outcomes

Students completing this program will be able to:

1. Critical Thinking: Develop critical thinking and analytical skills for decision making and problem solving.
2. Accounting/Financial Accounting: Apply accounting principles in business decision making.
3. Business Law: Understand how the law and the legal environment relate to business operations, including ethical implications.
4. Introduction to Business Information Systems: Utilize multimedia and software applications to enhance business decision-making process.
5. Business Communications: Create effective oral and written business communications utilizing modern communication technologies.
6. Economics/Macroeconomics: Analyze how external forces affect business practices.

Required Courses		Units
ACTG 100	Accounting Procedures	3 units
BUS. 100	Introduction to Business	3 units
BUS. 161	Creativity and Innovation in Entrepreneurship	3 units
BUS. 166	The Business Plan	3 units

BUS. 180	Principles of Marketing	3 units
BUS. 201	Business Law	3 units
BUS. 401	Business Communications	3 units
MGMT 100	Introduction to Business Management	3 units

Total Required Units: 24

CA Office Assistant

The Office Assistant Certificate prepares students with the range of skills to perform the duties of an entry level office support position in today's technological office. Students acquire computer application skills, strengthen written and oral communication skills, essential computer application skills, and the ability to build positive human relations needed for today's business office.

Career Opportunities

Office Assistants are found in every sector of the economy such as health, real estate, education, insurance and other. Job titles reflect that diversity: Administrative Assistant, Billing Services Assistants, Customer Service Representatives, Shipping and Receiving Clerks, and Membership Coordinators.

Program Learning Outcomes

Students completing this program will be able to:

1. Critical Thinking: Apply critical thinking and analytical skills in decision making and problem solving.
2. Software skills: Apply spreadsheet, word processing and online research skills in office production work.
3. Business Communications: Create effective oral and written business communications utilizing modern communication technologies.

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
BCM. 101	Computer Keyboarding Skill Building	1.5 units
BCM. 104	Introduction to Computers with Windows I	1.5 units
BCM. 106	Microsoft Outlook	1 unit
BCM. 200	Intro to MS Office Suite	2 units
BCM. 214	Word Processing I: Word	1 unit

BCM. 215	Word Processing II: Word	2 units
BCM. 225	Spreadsheets I: Excel	1 unit
BCM. 226	Spreadsheets II: Excel	2 units
BUS. 401	Business Communications	3 units

Plus a minimum of 3 units from the following:

Units

BUS. 101	Human Relations at Work	3 units
BUS. 103	Introduction to Business Information Systems	3 units
BUS. 670	Vocational Cooperative Education in Business	3 units

Total Required Units: 18

CS Entrepreneurship

This program prepares existing or potential entrepreneurs in a wide variety of small business functions. The following key areas are emphasized: Financial Management, Small Business Management, Marketing and Business Law. Students will prepare a comprehensive business plan with up-to-date approaches to small business management including: financial management, marketing management, business law, and how to profitably operate a small business.

This certificate is intended for business students and non-business majors who have aspirations and goals in business that will require entrepreneurial and small business management skills.

Program Learning Outcomes

Students completing this program will be able to:

1. Critical Thinking: Develop critical thinking and analytical skills for decision making and problem solving.
2. Accounting/Financial Accounting: Apply accounting principles in business decision making.
3. Business Law: Understand how the law and the legal environment relate to business operations, including ethical implications.
4. Introduction to Business Information Systems: Utilize multimedia and software applications to enhance business decision-making process.
5. Business Communications: Create effective oral and written business communications utilizing modern communication technologies.



6. Economics/Macroeconomics: Analyze how external forces affect business practices.

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
ACTG 100	Accounting Procedures	3 units
BUS. 150	Entrepreneurship - Small Business Management	3 units
MGMT 100	Introduction to Business Management	3 units

Select one course from the following:		Units
BUS. 101	Human Relations at Work	3 units
BUS. 161	Creativity and Innovation in Entrepreneurship	3 units
BUS. 180	Principles of Marketing	3 units
BUS. 201	Business Law	3 units
BUS. 670	Vocational Cooperative Education in Business	3 units

Total Required Units: 12

SC Entry-Level Warehousing

For gainful employment information, see this program's [gainful employment website](#).

		Units
BUS. 269	Warehousing and Logistics	4 units

Total Required Units: 4

CS Warehousing and Logistics

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
BUS. 269	Warehousing and Logistics	4 units
BUS. 284	Purchasing and Supply Management	3 units
BUS. 285	Inventory Management	3 units

BUS. 286	Transportation Management	3 units
BUS. 670	Vocational Cooperative Education in Business	1 unit
BCM. 200	Intro to MS Office Suite	2 units
CRER 650	Guidance Seminar Group	1 unit

Total Required Units: 17

COMMUNICATION STUDIES

AA Associate in Arts Degree Program

Communication Studies.....60 units

AA-T Associate in Arts Degree for Transfer

Communication Studies for Transfer..... 60 units

AA Communication Studies

An Associate in Arts degree in Communication Studies from Skyline College prepares students for transfer to a baccalaureate institution to obtain a degree in Communication Studies or a related discipline. The program allows students to examine and evaluate human communication across and within various contexts for the purpose of increasing communication competence. The program is designed to strengthen and develop skills in verbal communication, nonverbal communication, critical thinking and research, and multicultural communication. Students will become proficient in multiple areas of communication, including public speaking, interpersonal communication, small group communication, intercultural communication, and argumentation and debate. The program will produce competent and confident communicators, well-equipped to transfer to a four-year institution or to enter the work force.

Program Learning Outcomes

Students completing this program will be able to:

1. Effective Communication 1: Deliver a message using strategies that adapt to the situation; including adapting to the appropriate purpose, the cultural & psychological climate and the specific audience.
2. Effective Communication 2: Describe the effects of communication, including listening skills, on the perception of human relationships in social & cultural realities.

- Critical Thinking: Demonstrate effective problem-solving communication that leads to successful conflict management.
- Citizenship: Communicate ethical core values and individual cultural identity in a variety of academic, personal, vocational and civic situations.

Required Core Courses		Units
COMM 110	Public Speaking	3 units
COMM 127	Argumentation and Debate	3 units
COMM 130	Interpersonal Communication	3 units
COMM 140	Small Group Communication	3 units
COMM 150	Intercultural Communication	3 units

Plus a selection of 3 units from the following:		Units
ENGL 110	Composition, Literature, and Critical Thinking	3 units
ENGL 165	Critical Thinking and Advanced Composition	3 units
PHIL 200	Introduction to Logic	3 units

Total Required Major Units: 18

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

AA-T Communication Studies for Transfer

Required Core Course	Units
COMM 110	Public Speaking 3 units

List A: Select two courses from the following:	Units
COMM 127	Argumentation and Debate 3 units

COMM 130	Interpersonal Communication	3 units
COMM 140	Small Group Communication	3 units

List B: Select two courses from the following:

COMM 150	Intercultural Communication	3 units
JOUR 110	Mass Media and Society	3 units
JOUR 120	Writing and Reporting for the Media	3 units

List C: Select one course from the following:

ANTH 110	Cultural Anthropology	3 units
ENGL 110	Composition, Literature, and Critical Thinking	3 units
OR		
ENGL 165	Critical Thinking and Advanced Composition	3 units
JOUR 110	Mass Media and Society	3 units
JOUR 120	Writing and Reporting for the Media	3 units
PSYC 100	General Psychology	3 units
SOCI 100	Introduction to Sociology	3 units

Total Required Major Units: 18

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to 9 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.



COMPUTER SCIENCE

AS-T Associate in Science Degree for Transfer

Computer Science for Transfer..... 60 units

AS-T Computer Science for Transfer

The Computer Science program prepares Skyline College graduates for transfer to a 4-yr institution to complete their Bachelor's degree in computer science or software engineering.

Career Opportunities

Career opportunities exist in numerous businesses and industries. Typical entry-level positions include quality assurance and systems testing, and frequently involve working on project teams.

Program Learning Outcomes

Students completing this program will be able to:

1. Apply knowledge of math, science, and computer science and engineering to identify, formulate, and solve computer science problems.
2. Collaborate, communicate effectively, and work well in situations that require teamwork.
3. Develop a software and/or hardware design or system given a set of requirements, specifications and constraints.

Complete Core Courses, 30 units

	Units
COMP 118 Intro to Obj-Oriented Prgm De	
COMP 250 Introduction to Object-Oriented Programming: C++	3 units
COMP 252 Data Structures: C++	3 units
COMP 256 Computer Architecture and Assembly Language	3 units
COMP 262 Discrete Mathematics for Computer Science	3 units
MATH 251 Calculus with Analytic Geometry I	5 units
MATH 252 Calculus with Analytic Geometry II	5 units
PHYS 250 Physics with Calculus I	4 units
PHYS 260 Physics with Calculus II	4 units

Total Required Major Units: 30

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 7 major course units may be double counted to apply to meet IGETC general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

COSMETOLOGY

AS Associate in Science Degree Program

Cosmetology.....60 units

CA Certificate of Achievement

Cosmetology.....45 units

Esthetician..... 24 units

SC Skills Certificate

Cosmetology Entrepreneurship.....5.5 units

AS Cosmetology

Prepares students for licensing as a Cosmetologist. The Cosmetology program requires 1,600 hours of comprehensive training in beauty services.

Courses in the Cosmetology program focus on theoretical foundation, practical manipulative skills, business knowledge, career development in the field, and professional and ethical training needed for licensing through the State Board of Barbering and Cosmetology. Prepared with excellent entry-level skills, students are able to work in many facets of the beauty industry.

Skyline College's Cosmetology Program is approved by the California Board of Barbering and Cosmetology

ADMISSIONS PROCEDURES AND REQUIREMENTS

The Associate in Science degree with a major in Cosmetology program requires the completion of a

special application packet to be considered for admission. Admission applications are not considered for acceptance until all documents have been completed and received by the Office of Admissions and Records. For further information on the Cosmetology Program please visit the Cosmetology program website.

Program Learning Outcomes

Students completing this program will be able to:

1. Complete 1600 hours in the Cosmetology Program.
2. Successfully pass the California State Board Cosmetology or Esthetician written and practical exam.
3. Identify career and continuing educational options in the fields of Cosmetology and Esthetics, and plan actions towards achieving those goals and objectives.
4. Apply theories, principles, and concepts to address skills learned that would apply to Cosmetology and Esthetics.
5. Recognize the importance of and practice ethical behavior in a professional work setting, both within the work force and within the community.
6. Critically consider, analyze, and research special issues in Cosmetology and their effects on society.

Required Core Courses		Units
COSM 701	Cosmetology Core Concepts	6 units
COSM 702	Cosmetology Hair Design Concepts	6 units
COSM 703	Cosmetology Chemical Concepts	3 units
COSM 704	Cosmetology Intermediate Concepts	6 units
COSM 705	Cosmetology Business and Salon Experience	9 units
COSM 706	Cosmetology Advanced Concepts	6 units
COSM 707	Cosmetology Salon and Licensure Prep	6 units

Select a minimum of one course from the following: (3 units)		Units
COSM 717	Advanced Makeup	3 units
COSM 737	Advanced Natural Haircare and Braiding	3 units
COSM 767	Eyelash Enhancements	3 units
BUS. 150	Entrepreneurship - Small Business Management	3 units

Total Required Major Units: 45

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

CA Cosmetology

This program prepares students for licensing as a Cosmetologist. The Cosmetology program requires 1,600 hours of comprehensive training in all facets of the cosmetology industry. Courses focus on theoretical foundation, practical manipulative skills, business knowledge, career development in the field, and the professional and ethical training needed for licensing through the State Board of Barbering and Cosmetology. Prepared with excellent entry-level and some advanced skills, students are able to work in many facets of the beauty industry.

Skyline College's Cosmetology Program is approved by: California Board of Barbering and Cosmetology

ADMISSIONS PROCEDURES AND REQUIREMENTS: The Cosmetology Certificate of Achievement requires the completion of a special application packet to be considered for admission. Admission applications are not considered for acceptance until all documents have been completed and received by the Office of Admissions and Records. For further information on the Cosmetology Program please visit the Cosmetology program website.

Program Learning Outcomes

Students completing this program will be able to:

1. Complete 1600 hours in the Cosmetology Program and 600 hours in the Esthetician Program.
2. Successfully pass the California State Board Cosmetology or Esthetician written and practical exam.
3. Identify career and continuing educational options in the field of Cosmetology and Esthetics, and plan actions towards achieving those goals and objectives.
4. Apply theories, principles, and concepts to address skills learned that would apply to Cosmetology and Esthetics.
5. Critically consider, analyze and research special issues in Cosmetology and their effects on society.
6. Recognize the importance of and practice ethical behavior in a professional work setting, both within the work force and within the community.

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
COSM 701	Cosmetology Core Concepts	6 units



COSM 702	Cosmetology Hair Design Concepts	6 units
COSM 703	Cosmetology Chemical Concepts	3 units
COSM 704	Cosmetology Intermediate Concepts	6 units
COSM 705	Cosmetology Business and Salon Experience	9 units
COSM 706	Cosmetology Advanced Concepts	6 units
COSM 707	Cosmetology Salon and Licensure Prep	6 units

Select a minimum of one course from the following (3 units)

		Units
COSM 717	Advanced Makeup	3 units
COSM 737	Advanced Natural Haircare and Braiding	3 units
COSM 767	Eyelash Enhancements	3 units
BUS. 150	Entrepreneurship - Small Business Management	3 units

Total Required Units: 45

CA Esthetician

This program prepares students for licensing as a Esthetician. The Esthetics program requires 600 hours of comprehensive training in all facets of the esthetics industry. Courses focus on theoretical foundation, practical manipulative skills, business knowledge, career development in the field, and the professional and ethical training needed for licensing through the State Board of Barbering and Cosmetology. Prepared with excellent entry-level and some advanced skills, students are able to work in many facets of the beauty industry.

Skyline College's Esthetics Program is approved by: California Board of Barbering and Cosmetology

ADMISSIONS PROCEDURES AND REQUIREMENTS:

The Esthetics Certificate of Achievement requires the completion of a special application packet to be considered for admission. Admission applications are not considered for acceptance until all documents have been completed and received by the Office of Admissions and Records. For further information on the Cosmetology Program please visit the Cosmetology program website.

Program Learning Outcomes

Students completing this program will be able to:

1. Complete 600 hours in the Esthetician Program.
2. Successfully pass the California State Board Esthetician written and practical exam.
3. Identify career and continuing educational options in the fields of Cosmetology and Esthetics, and plan actions towards achieving those goals and objectives.
4. Apply theories, principles, and concepts to address skills learned that would apply to esthetics.
5. Critically consider, analyze and research special issues in Esthetics and their effects on society.
6. Recognize the importance of and practice ethical behavior in a professional work setting, both within the work force and within the community.

For gainful employment information, see this program's [gainful employment website](#).

Courses required for the Esthetician Certificate:

		Units
COSM 775	Esthetician I	12 units
COSM 776	Esthetician II	12 units

Total Required Units: 24

NOTE: Additional hours to meet the 600-hour state minimum may be earned by enrolling in BUS. 150 (Entrepreneurship - Small Business Management) and/or COSM 717 (Advanced Makeup) and/or COSM 747 (Advanced Skin Care and Hair Removal) and/or COSM 767 (Eyelash Enhancements).

SC Cosmetology Entrepreneurship

Required Courses

		Units
ACTG 144	QuickBooks: Set-Up and Service Business	1.5 units
BUS. 150	Entrepreneurship - Small Business Management	3 units
COSM 670	Vocational Cooperative Education in Cosmetology	1 unit

Total Required Units: 5.5

DANCE

AA Associate in Arts Degree Program

Dance..... 60 units

AA Dance

An Associate in Arts degree in Dance from Skyline College provides students with the foundation and skills needed to enter the dance profession or transfer to a dance program at a four-year university. Students improve their level of physical dance technique, performance and expression. Dance majors participate in dance performances every semester which include opportunities for students to choreograph and perform their work. Coursework includes practice and history in multiple dance styles, including ballet, contemporary modern, jazz, hip hop and musical theater.

In order to succeed in the field of Dance, students should be committed to full physical participation in regular technique classes, passionate about expressing themselves and their ideas through movement and performance, in addition to learning about other people and cultural traditions.

Studying dance prepares students to pursue a variety of careers in the arts and education, including dance instruction, critical work, choreography, and professional dance and performance. Individuals educated in dance can work in places like schools, theaters, recreation centers, fitness centers, dance and movie studios and more. Students who wish to teach dance will likely transfer to a four-year institution to gain a teaching certificate, BA, MA, MFA, or PhD in Dance, Theater Arts and Performance Studies, and/or Choreography.

Career Opportunities

Studying dance prepares students to pursue a variety of careers in the arts and education, including dance instruction, critical work, choreography, and professional dance and performance. Individuals educated in dance can work in schools, theaters, recreation centers, fitness centers, dance and movie studios and more. Students who wish to teach dance will likely transfer to a four-year institution to gain a teaching certificate, BA, MA, MFA, or PhD.

Program Learning Outcomes

Students completing this program will be able to:

1. Provide a more authentic and individualized interpretation of a given dance form through a demonstration of appropriate levels of technique that incorporate cultural elements* of this dance form (*e.g., costume, history, vocabulary, rhythm and music)
2. Create and develop unique movement sequences, and collaboratively organize that material into a dance
3. Critically evaluate and objectively discuss dance as a performance art

Required Core Courses: (12 units)		Units
DANC 100	Dance Appreciation	3 units
OR		
DANC 102	A Survey of Jazz Dance from Streets to Stage	3 units
OR		
MUS. 100	Fundamentals of Music	3 units
DANC 121.1	Contemporary Modern Dance I	1 unit
DANC 140.1	Ballet I	1 unit
DANC 140.2	Ballet II	1 unit
DANC 400.1	Dance Performance and Production I	2 units
FITN 335.1	Pilates I	1 unit
DANC 130.1	Jazz Dance I: Lyrical, Pop & Broadway	1 unit
AND		
DANC 121.2	Contemporary Modern Dance II	1 unit
AND		
DANC 121.3	Contemporary Modern Dance III	1 unit
OR		
DANC 130.2	Jazz Dance II – Lyrical, Pop and Broadway	1 unit
AND		
DANC 130.3	Jazz Dance III – Lyrical, Pop and Broadway	1 unit

Plus a selection of 6 units from the following:		Units
DANC 100	Dance Appreciation	3 units

DANC 102	A Survey of Jazz Dance from Streets to Stage	3 units	DANC 163	Tango Buenos Aires	0.5 - 1 units
DANC 117.1	Tap Dance I	0.5 - 1 units	DANC 164	Tango De La Confiteria	0.5 - 1 units
DANC 117.2	Tap Dance II	0.5 - 1 units	DANC 330.1	Creative Dance I	0.5 - 1 units
DANC 121.2	Contemporary Modern Dance II	0.5 - 1 units	DANC 330.2	Creative Dance II	0.5 - 1 units
DANC 121.3	Contemporary Modern Dance III	0.5 - 1 units	DANC 330.3	Creative Dance III	0.5 - 1 units
DANC 121.4	Contemporary Modern Dance IV	0.5 - 1 units	DANC 330.4	Creative Dance IV	0.5 - 1 units
DANC 130.2	Jazz Dance II – Lyrical, Pop and Broadway	0.5 - 1 units	DANC 350.1	Cardio Dance I	0.5 - 1 units
DANC 130.3	Jazz Dance III – Lyrical, Pop and Broadway	0.5 - 1 units	DANC 350.2	Cardio Dance II	0.5 - 1 units
DANC 130.4	Jazz Dance IV – Lyrical, Pop and Broadway	0.5 - 1 units	DANC 350.3	Cardio Dance III	0.5 - 1 units
DANC 140.3	Ballet III	0.5 - 1 units	DANC 350.4	Cardio Dance IV	0.5 - 1 units
DANC 140.4	Ballet IV	0.5 - 1 units	DANC 391	Dance Composition - Theory and Choreography	3 units
DANC 150.1	Hip Hop I	0.5 - 1 units	DANC 395.1	Dance Workshop I	0.5 - 1 units
DANC 150.2	Hip Hop II	0.5 - 1 units	DANC 395.2	Dance Workshop II	0.5 - 1 units
DANC 151.1	Social Dance I	0.5 - 1 units	DANC 395.3	Dance Workshop III	0.5 - 1 units
DANC 151.2	Social Dance II	0.5 - 1 units	DANC 395.4	Dance Workshop IV	0.5 - 1 units
DANC 151.3	Social Dance III	0.5 - 1 units	DANC 400.2	Dance Performance and Production II	0.5 - 2 units
DANC 151.4	Social Dance IV	0.5 - 1 units	DANC 400.3	Dance Performance and Production III	0.5 - 2 units
DANC 152.1	Cuban Salsa I	0.5 - 1 units	DANC 400.4	Dance Performance and Production IV	0.5 - 2 units
DANC 152.2	Cuban Salsa II	0.5 - 1 units	DANC 410.1	Dance for the Musical Theater Production I	2 units
DANC 152.3	Cuban Salsa III	0.5 - 1 units	DANC 410.2	Dance for the Musical Theater Production II	2 units
DANC 152.4	Cuban Salsa IV	0.5 - 1 units	DANC 410.3	Dance for the Musical Theater Production III	2 units
DANC 161	Tango Argentino	0.5 - 1 units	DANC 410.4	Dance for the Musical Theater Production IV	2 units
DANC 162	Tango Milonga	0.5 - 1 units	DANC 665*	Selected Topics: Dance in Cultural Context	1 - 3 units

DRAM 200	Theory of Acting I OR	3 units
DRAM 201	Advanced Acting I OR	3 units
DRAM 202	Advanced Acting II OR	3 units
DRAM 208	Acting Practicum I (Acting Laboratory) OR	2 units
DRAM 209	Acting Practicum II (Acting Laboratory)	2 units
KINE 305	Health-Related Fitness and Wellness	3 units
KINE 100	Introduction to Kinesiology	3 units
MUS. 100	Fundamentals of Music	3 units

* Each unit of DANC 665 used toward the degree must be a different topic (e.g. Salsa, Flamenco, Afro/Brazilian).

Total Required Major Units: 18

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

DIGITAL FILMMAKING

CS Certificate of Specialization: Not Transcript Reported

Basic Digital Filmmaking..... 12 units

CS Basic Digital Filmmaking

The Digital Media and Design Program (DMAD) at Skyline College concentrates on digital imaging and digital filmmaking. The digital imaging courses are centered around production skills such as image selection, image editing, retouching, compositing, and file preparation for print and screen. The digital filmmaking courses are focused on production. Students will learn about the three phases of filmmaking (pre-production, production, and post-production) as well as camera operation, composition, screenwriting, directing, crew positions, editing, data wrangling, and audio recording and mixing. Career management and guidance are also explored. The 12-unit Certificate of Specialization in Basic Digital Filmmaking

provides foundational knowledge and skills in digital filmmaking production.

Career Opportunities

The Digital Media and Design Program (DMAD) works with industry professionals to ensure students are learning the latest production skills for an entry level position in their chosen field. Image editing careers include photo retouching, TV broadcast graphics, web graphics, mobile graphics, film graphics, and print production. Digital filmmaking careers include camera operation, editing, audio recording and mixing, cinematography, directing, screenwriting, and production management.

Program Learning Outcomes

Students completing this program will be able to:

1. Apply a set of production skills and experiences to prepare them for an entry level position in the digital media industry.
2. Apply a basic set of production skills and experiences to allow them to create their own digital media content.
3. Apply a set of basic production skills and experiences to allow them to effectively work under the direction of other professionals.

Required Core Courses:

Units

DMAD 475	Digital Filmmaking I	3 units
DMAD 476	Digital Filmmaking II	3 units
DMAD 477	Digital Filmmaking III	3 units
DMAD 478	Audio for Digital Filmmaking	3 units

Total Required Units: 12

EDUCATION/CHILD DEVELOPMENT

AA-T Associate in Arts Degree for Transfer

Elementary Teacher Education for Transfer..... 60 units

AS Associate in Science Degree Program

Early Childhood Education..... 60 units

AS-T Associate in Science Degree for Transfer

Early Childhood Education for Transfer..... 60 units

CA Certificate of Achievement

Early Childhood Education..... 24 units

Early Childhood Special Education..... 24 units

CC Career Certificate

Early Childhood Education Entrepreneurship..... 10 units

Foundations in Early Childhood Education..... 10 units

Fundamentals In Early Childhood Education..... 7 units

AA-T Elementary Teacher Education for Transfer

The Associate in Arts in Elementary Teacher Education for Transfer is intended for students who plan to complete a baccalaureate degree in a similar major at a California State University (CSU) campus. The Associate in Arts in Elementary Teacher Education for Transfer acknowledges that the student has established a foundation of interdisciplinary knowledge in the field of Education.

Students completing an AS-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Career Opportunities

Elementary Teacher Special Educator Para-educator

Required Core Courses (42 units)		Units
BIOL 101	Our Biological World	4 units
OR		
BIOL 110	Principles of Biology	4 units
CHEM 114	Survey of Chemistry and Physics	4 units
OR		
PHYS 114	Survey of Chemistry and Physics	4 units
COMM 110	Public Speaking	3 units

ECE. 201	Child Development	3 units
OR		
PSYC 201	Child Development	3 units
EDUC 200	Introduction to Classroom Teaching	3 units
ENGL 100	Composition	3 units
ENGL 110	Composition, Literature, and Critical Thinking	3 units
GEOG 150	World Regional Geography	3 units
GEOL 210	General Geology	4 units
HIST 104	World Civilizations I	3 units
HIST 201	United States History I	3 units
MATH 150	Mathematics for Elementary Teachers	3 units
PLSC 210	American Politics	3 units

List A (select one): **Units**

ENGL 165	Critical Thinking and Advanced Composition	3 units
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List B (select one) **Units**

ART 130	Art Appreciation	3 units
MUS. 202	Music Appreciation	3 units

Total Required Major Units: 48

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to 36 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

AS Early Childhood Education

The Early Childhood Education program is designed to meet the needs of individuals planning a career working with preschool aged children and/or are currently working with preschool aged children. The child from birth to school age is the primary focus. Current research and practical applications are combined in order to assist students in planning their most effective role with children. Children's growth, developmentally appropriate practice, cultural diversity, family support and professional development within the ECE field are major components of the program in order to meet the varied needs of ECE students, courses are offered mornings, afternoons, evenings and weekends. The program makes every effort to schedule classes to meet the diversity of students' needs and to encourage students to plan ahead in order to complete specific program requirements.

An Associate degree with 24 ECE units and at least 16 general education units qualifies a student for a Teacher Permit issued by the Commission on Teacher Credentialing. This permit is required of all teachers working in child care and development programs operating under Title 5, (state-funded programs). A grade of C or better is required in all of the courses used to satisfy the requirements for the major. A minimum of 50% of the ECE units must be taken at Skyline College in order to receive the AS degree with a major in ECE from Skyline.

AREAS OF SPECIALIZATION WITHIN THE EARLY CHILDHOOD EDUCATION PROGRAM

In accordance with the guidelines established by the state's Child Development Permit for the Master Teacher tier, applicants must complete a **specialization** of six (6) semester units in a specific area. A specialization can also be useful to students when seeking work advancement.

- **Infant/Toddler Care**
 - ECE. 223 Infant/Toddler Development
 - ECE. 225 Infant/Toddler Environments
- **School-Age Child Care**
 - ECE. 213 The School-Age Child
 - ECE. 335 Child Guidance
- **Children with Special Needs**
 - ECE. 260 Children with Special Needs
 - ECE. 261 Early Intervention Practices
- **Children's Language and Literacy**
 - ECE./LIT. 191 Children's Literature
 - ECE. 275 Children's Language and Literacy Development
- **Parent/Family Relationships**
 - ECE. 214/FCS 213 Child-Parent Relations
 - ECE. 264 The Life Cycle of the Family
- **Family Support**

- ECE. 262 Introduction to Family Support: Building Respectful Partnerships
- ECE. 264 The Life Cycle of the Family

Program Learning Outcomes

Students completing this program will be able to:

1. Analyze major developmental milestones and various theoretical frameworks that relate to early care and education to demonstrate an understanding of the importance of the early years as well as the many influences on development
2. Identify best teaching and care practices and the components of early childhood settings, curriculum, and teaching strategies to increase child growth and competence.
3. Assess the interrelationship of child, family, and community and how educational, political, socioeconomic factors directly impact the lives of children and families.

Required Core Courses		Units
ECE. 201	Child Development	3 units
OR		
PSYC 201	Child Development	3 units
ECE. 210	Early Childhood Education Principles	3 units
ECE. 211	Early Childhood Education Curriculum	3 units
ECE. 212	Child, Family & Community	3 units
ECE. 272	Teaching in a Diverse Society	3 units
ECE. 314	Health, Safety, and Nutrition for Young Children	3 units
OR		
HSCI 314	Health, Safety and Nutrition for Young Children	3 units
ECE. 333	Observation and Assessment	3 units
ECE. 366	Practicum in Early Childhood Education	3 units

Total Required Major Units: 24

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



AS-T Early Childhood Education for Transfer

The Skyline College Associate in Science Degree in Early Childhood Education for Transfer is designed to facilitate successful transfer to baccalaureate early childhood education/child development programs at a CSU. This degree provides students with the lower division breadth and depth of the field of early childhood education.

The Associate in Science Degree for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. The Associate in Science in Early Childhood Education for Transfer degree acknowledges that the student has established a foundation of knowledge in the field of Early Childhood Education. Students completing an AS-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular campus, university, or college that is not part of the CSU system.

Note: Students should consult a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better is required for each course applied to the major.

Required Courses		Units
ECE. 201	Child Development	3 units
ECE. 210	Early Childhood Education Principles	3 units
ECE. 211	Early Childhood Education Curriculum	3 units
ECE. 212	Child, Family & Community	3 units
ECE. 272	Teaching in a Diverse Society	3 units
ECE. 314	Health, Safety, and Nutrition for Young Children	3 units
ECE. 333	Observation and Assessment	3 units
ECE. 366	Practicum in Early Childhood Education	3 units

Plus CSU General Education or IGETC for CSU requirements. Up to a total of 6 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree Requirements.

Plus additional CSU transferable elective course as need to reach a total of 60 units.

Total Required Major Units: 24

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 6 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

CA Early Childhood Education

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
ECE. 201	Child Development	3 units
OR		
PSYC 201	Child Development	3 units
ECE. 210	Early Childhood Education Principles	3 units
ECE. 211	Early Childhood Education Curriculum	3 units
ECE. 212	Child, Family & Community	3 units
ECE. 272	Teaching in a Diverse Society	3 units
ECE. 314	Health, Safety, and Nutrition for Young Children	3 units
OR		
HSCI 314	Health, Safety and Nutrition for Young Children	3 units
ECE. 333	Observation and Assessment	3 units
ECE. 366	Practicum in Early Childhood Education	3 units

Total Required Units: 24

CA Early Childhood Special Education

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
ECE. 201	Child Development	3 units
OR		
PSYC 201	Child Development	3 units
ECE. 210	Early Childhood Education Principles	3 units
ECE. 211	Early Childhood Education Curriculum	3 units
ECE. 212	Child, Family & Community	3 units
ECE. 260	Children with Special Needs	3 units
ECE. 263	Curriculum and Strategies for Children with Special Needs	3 units
ECE. 333	Observation and Assessment	3 units
ECE. 367	Practicum in Early Childhood Education: Special Topics	3 units

Note: Minimum C grade required in all courses applied to the major.

Total Required Units: 24

CC Early Childhood Education Entrepreneurship

Required Courses		Units
ECE. 201	Child Development	3 units
ECE. 240	ECE Administration I: Business/Legal	3 units
ECE. 670	Cooperative Education	1 unit
BUS. 150	Entrepreneurship - Small Business Management	3 units

Total Required Units: 10

CC Foundations in Early Childhood Education

Required Courses		Units
ECE. 201	Child Development	3 units
ECE. 210	Early Childhood Education Principles	3 units
ECE. 212	Child, Family & Community	3 units
ECE. 670	Cooperative Education	1 unit

Total Required Units: 10

CC Fundamentals In Early Childhood Education

This one-semester certificate will allow students to explore the Early Childhood profession by completing 7 units in ECE that will introduce students to the profession (history, theoretical foundations, types of programs, quality indicators and curriculum), to principles of child development, and to the role and responsibilities of an educator. Students choosing to continue in ECE will be given a recommended student education plan for the following semester.

Career Opportunities

Assistant teacher California state level permit to work in early childhood settings.

Program Learning Outcomes

Students completing this program will be able to:

1. Analyze milestones in young children's learning and development.
2. Examine theoretical frameworks and curriculum models in the Early Childhood profession.
3. Evaluate the roles and responsibilities of the Early Childhood educator.

Required Courses		Units
ECE. 201	Child Development	3 units
ECE. 210	Early Childhood Education Principles	3 units
ECE. 331	The Role of the Teacher	1 unit

Total Required Units: 7

EMERGENCY MEDICAL TECHNOLOGY

CC Career Certificate

Emergency Medical Technology.....8 units

CC Emergency Medical Technology

This program represents the first phase of training in the Emergency Medical Technician career structure. The course covers all techniques of emergency equipment and supplies considered within the responsibilities of the EMT-I. In addition to didactic and skills training on campus, the course includes observation in a local hospital Emergency Room and a ride-along rotation with a local ambulance company.

To receive a certificate students must achieve a minimum grade of C in the course and satisfactory completion of the clinical component and required skills testing.

Students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, and a social security referenced background check.

Certification Eligibility Requirements: Successful completion of a state-approved Emergency Medical Technician (EMT) course that meets or exceeds the National Emergency Medical Services Education Standards for Emergency Medical Technician. Current CPR credential for health care providers and have demonstrated competence in Emergency Medical Technician (EMT) skills. Successful completion of a state-approved Emergency Medical Technician (EMT) psychomotor exam. For more information, visit <http://www.nremt.org/>.

Skyline College's Emergency Medical Technician Program is accredited by:

San Mateo County Emergency Medical Services Agencies

225 37th Avenue
San Mateo, CA 94403
Telephone: (650) 573-2564

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate competency in the cognitive, psychomotor, and affective domains when providing emergency medical care.
2. Pass their final written exam, which is comprehensive.
3. Pass their National Registry written exam, which is administered off-site.
4. Pass their National Registry Skills Exam.

Required Course

Units

Required Course	Units
EMC. 410 Emergency Medical Technician	8 units

Total Required Units: 8

ENERGY SYSTEMS TECHNOLOGY MANAGEMENT

AS Associate in Science Degree Program

Energy Efficiency..... 60 units

Entrepreneurship and Small Business Management In Energy Systems Technology..... 60 units

Solar Technology and Business..... 60 units

CA Certificate of Achievement

Residential Energy Efficiency.....25 units

Solar Installation.....27.5 units

Solar Technology and Business..... 28 units

SC Skills Certificate

Climate Protection Professional.....10 units

Residential Energy Assessment and Retrofitting..... 8 units

Solar Design, Estimation, Finance, and Sales..... 6 units

CC Career Certificate

Construction Management..... 10 - 11.5 units

Solar Installation..... 7.5 units

CS Certificate of Specialization: Not Transcript Reported

Solar Energy Technology..... 14.5 units

AS Energy Efficiency

The Emphasis in Energy Efficiency prepares students for a variety of jobs in the energy and construction sectors,

especially related to energy efficiency. The program provides a breadth of knowledge in building science, construction and HVAC best practices, energy assessment, and energy efficiency retrofitting techniques. The program prepares students primarily for jobs as energy auditors, home energy raters, retrofit technicians and installers, compliance analysts (quality assurance), energy regulation specialists, rebate processors, cost estimators, technical sales representatives, and front-line sales representatives. The technical and business training will also enable students with additional experience or training to work as account representatives, marketing specialists, program and project managers, crew leads, business owners, contractors, and consultants. The program includes preparatory material relevant to credentials from the Building Performance Institute (BPI).

Career Opportunities

The energy efficiency construction and service sectors depend on policy incentives and mandates, as well as market adoption and transformation for job creation and skill enhancement needs. Labor market projections for general construction and energy services occupations shows that some of these jobs are among the fastest growing in San Mateo County and surrounding region. These occupations will grow in total numbers and need for skill enhancements as the market for energy efficiency services grows. Career opportunities include: Energy Auditors, Home Energy Rates, Compliance Analyst, Energy Regulation Specialist, Retrofit Technician and Installation Workers, and Rebate Processor and Cost Estimators.

Program Learning Outcomes

Students completing this program will be able to:

1. Conduct energy assessments of residential buildings, develop scopes of work for and to sell and perform home energy upgrades
2. Design and install residential solar systems; and perform basic cost estimation and sales based on utility costs and rebate and tax incentives.
3. Develop portfolios based on current marketing and sales techniques, practices, strategies, and technology applied to case studies in various aspects of the construction industry and energy sector.
4. Develop performance and productivity-based business and marketing plans, as well as management strategies and techniques for operations, sales, and finance for driving new business in these industries.
5. Obtain industry recognized credentials from the Building Performance Institute (BPI) and the North

American Board of Certified Energy Practitioners (NABCEP).

Required Core Courses:

		Units
BUS. 115	Business Mathematics	3 units
OR		
BUS. 120	Mathematical Analysis for Business	3 units
BUS. 401	Business Communications	3 units
ESTM 400	Clean Energy Concepts, Policies and Industries	3 units
ESTM 402	Introduction to Residential Construction	3 units
ESTM 425	Commercial and Residential Building Performance Concepts	4 units
ESTM 426	Building Performance Retrofitting	4 units
ESTM 427	Introduction to Whole Home Heating, Ventilation, and Cooling (HVAC)	3 units
ESTM 490	Capstone Project in Energy Systems Technology Management	1.5 - 3 units

Select a minimum of 7 units from each of the following:

List A - Select at least one course from the following:

		Units
BUS. 100	Introduction to Business	3 units
BUS. 296	New Economy Marketing	3 units
BUS. 297	Business Planning for Success	2 units
MGMT 100	Introduction to Business Management	3 units

List B - Select at least one course from the following:

		Units
ESTM 410	Introduction to Solar Installation and Integration	3.5 units
ESTM 411	Introduction to Solar Photovoltaics (PV) Systems and Markets	2 units
ESTM 412	Solar Photovoltaics (PV) Design Fundamentals	2 units
ESTM 413	Solar Photovoltaics (PV) Finance and Sales	2 units



ESTM 441	Solar Thermal Technology and Design	3 units
ESTM 445	Commercial Solar Photovoltaics (PV) Finance and Sales	2 units

List C - Select at least one course from the following:

		Units
COOP 670	Vocational Cooperative Education	1 - 4 units
ENVS 100	Introduction to Environmental Science	3 units
ESTM 428	Field Training and Exam Preparation for Energy Efficiency	0.5 units
ESTM 665	Selected Topics in Energy Systems Technology Management	0.5 - 2 units

Total Required Major Units: 31.5 - 33

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

AS Entrepreneurship and Small Business Management In Energy Systems Technology

The Associate in Science in Entrepreneurship and Small Business Management in Energy Systems Technology prepares students for supervisory roles and to start businesses of their own in the construction and energy sectors, including solar and energy efficiency. The curriculum provides a pathway for a variety of supervisory roles related to solar and energy efficiency including sales or marketing representative, account manager, crew lead, project or program manager, contractor or consultant. It will also support contractors and consultants for running small businesses in the construction and energy sectors. The program provides a solid foundation in business, management, finance, sales, marketing, accounting, law, as well as a breadth of knowledge and skills in energy efficiency and solar theory and applications. Students will prepare a comprehensive business plan with up-to-date approaches, and learn how to operate a small business. The program combines the Entrepreneurship and Small Business Management certificate program requirements with coursework in ESTM.

Career Opportunities

The Associate in Science in Entrepreneurship/Small Business Management in Energy Systems Technology targets skill development for jobs in clean energy companies, especially solar and energy efficiency in the construction sector, but also supports other industries with green and sustainable missions and projects. It also prepares students to start and develop businesses in these areas. Specific occupations the program targets include sales or marketing representative or manager, account manager, crew lead, project or program manager, contractor (business owner), consultant.

Required Core Courses:

		Units
ACTG 100	Accounting Procedures	3 units
BUS. 100	Introduction to Business	3 units
BUS. 201	Business Law	3 units
BUS. 296	New Economy Marketing	3 units
BUS. 297	Business Planning for Success	2 units
ESTM 400	Clean Energy Concepts, Policies and Industries	3 units
MGMT 100	Introduction to Business Management	3 units

Select a minimum of 12 units from the following:

		Units
COOP 670	Vocational Cooperative Education	1 - 4 units
ENVS 100	Introduction to Environmental Science	3 units
ESTM 410	Introduction to Solar Installation and Integration	3.5 units
ESTM 411	Introduction to Solar Photovoltaics (PV) Systems and Markets	2 units
ESTM 412	Solar Photovoltaics (PV) Design Fundamentals	2 units
ESTM 413	Solar Photovoltaics (PV) Finance and Sales	2 units
ESTM 425	Commercial and Residential Building Performance Concepts	4 units
ESTM 426	Building Performance Retrofitting	4 units
ESTM 427	Introduction to Whole Home Heating, Ventilation, and Cooling (HVAC)	3 units

ESTM 441	Solar Thermal Technology and Design	3 units
ESTM 445	Commercial Solar Photovoltaics (PV) Finance and Sales	2 units
ESTM 490	Capstone Project in Energy Systems Technology Management	1.5 - 3 units
ESTM 665	Selected Topics in Energy Systems Technology Management	0.5 - 2 units

Total Required Major Units: 32

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

AS Solar Technology and Business

The Associate Degree in Solar Technology and Business prepares students for a variety of jobs in the energy and construction sectors, especially related to solar. The program provides a breadth of knowledge in solar and related job functions, focusing on residential photovoltaics (PV) applications. Coursework also includes solar thermal and commercial applications. The program prepares students primarily for jobs as solar installers, designers, estimators, and sales representatives. The technical and business training will also enable students with additional experience or training to work as compliance and quality assurance analysts, account representatives, marketing representatives, rebate specialists, program and project managers, crew leads, and to start and operate businesses as construction and energy contractors and consultants. The program includes pre par - atory material relevant to credentials from the North American Board of Certified Energy Practitioners (NABCEP).

Career Opportunities

This associate degree provides skill development for jobs in design, estimation, installation, and sales, cost estimator and rebate processor, technical sales representative, and front line sales representative.

Required Core Courses:		Units
BUS. 115	Business Mathematics	3 units
OR		
BUS. 120	Mathematical Analysis for Business	3 units
BUS. 401	Business Communications	3 units

ELEC 110	Fundamentals of Electronics	4 units
ESTM 400	Clean Energy Concepts, Policies and Industries	3 units
ESTM 410	Introduction to Solar Installation and Integration	3.5 units
ESTM 411	Introduction to Solar Photovoltaics (PV) Systems and Markets	2 units
ESTM 412	Solar Photovoltaics (PV) Design Fundamentals	2 units
ESTM 413	Solar Photovoltaics (PV) Finance and Sales	2 units
ESTM 490	Capstone Project in Energy Systems Technology Management	1.5 - 3 units

Select a minimum of 12 units from the following:**List A - Select at least one course from the following:****Units**

ESTM 441	Solar Thermal Technology and Design	3 units
ESTM 445	Commercial Solar Photovoltaics (PV) Finance and Sales	2 units

List B - Select at least one course from the following:**Units**

ESTM 402	Introduction to Residential Construction	3 units
ESTM 427	Introduction to Whole Home Heating, Ventilation, and Cooling (HVAC)	3 units

List C - Select at least one course from the following:**Units**

BUS. 100	Introduction to Business	3 units
BUS. 296	New Economy Marketing	3 units
BUS. 297	Business Planning for Success	2 units
COOP 670	Vocational Cooperative Education	1 - 4 units
ENVS 100	Introduction to Environmental Science	3 units
ESTM 665	Selected Topics in Energy Systems Technology Management	0.5 - 2 units

MGMT 100	Introduction to Business Management	3 units
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Total Required Major Units: 36 - 37.5

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

CA Residential Energy Efficiency

The Certificate of Achievement in Residential Energy Efficiency prepares students for a variety of jobs in the energy and construction sectors, especially related to energy efficiency. The program provides a breadth of knowledge in building science, construction and HVAC best practices, energy assessment, and energy efficiency retrofitting techniques. The program prepares students primarily for jobs as energy auditors, home energy raters, retrofit technicians and installers, compliance analysts (quality assurance), energy regulation specialists, rebate processors, cost estimators, technical sales representatives, and front-line sales representatives. The program includes preparatory material relevant to credentials from the Building Performance Institute (BPI). The program does not require a capstone project has fewer units than the associate's degree.

Career Opportunities

Energy Auditor, Home Energy Rater, Retrofit Technician, Installer, Compliance analyst (quality assurance), Energy Regulation Specialist, Rebate Processor, Cost Estimator.

Program Learning Outcomes

Students completing this program will be able to:

1. Conduct energy assessments of residential buildings, develop scopes of work for and to sell and perform home energy upgrades
2. Design and install residential solar systems; and perform basic cost estimation and sales based on utility costs and rebate and tax incentives.
3. Develop portfolios based on current marketing and sales techniques, practices, strategies, and technology applied to case studies in various aspects of the construction industry and energy sector.
4. Develop performance and productivity-based business and marketing plans, as well as management strategies and techniques for operations, sales, and finance for driving new business in these industries
5. Obtain industry recognized credentials from the Building Performance Institute (BPI) and the North

American Board of Certified Energy Practitioners (NABCEP).

Required Core Courses: Units

BUS. 115	Business Mathematics	3 units
OR		
BUS. 120	Mathematical Analysis for Business	3 units
BUS. 401	Business Communications	3 units
ESTM 400	Clean Energy Concepts, Policies and Industries	3 units
ESTM 402	Introduction to Residential Construction	3 units
ESTM 425	Commercial and Residential Building Performance Concepts	4 units
ESTM 426	Building Performance Retrofitting	4 units
ESTM 427	Introduction to Whole Home Heating, Ventilation, and Cooling (HVAC)	3 units

Select a minimum of 2 units from the following:

		Units
BUS. 100	Introduction to Business	3 units
BUS. 296	New Economy Marketing	3 units
BUS. 297	Business Planning for Success	2 units
COOP 670	Vocational Cooperative Education	1 - 4 units
ENVS 100	Introduction to Environmental Science	3 units
ESTM 411	Introduction to Solar Photovoltaics (PV) Systems and Markets	2 units
ESTM 412	Solar Photovoltaics (PV) Design Fundamentals	2 units
ESTM 413	Solar Photovoltaics (PV) Finance and Sales	2 units
ESTM 428	Field Training and Exam Preparation for Energy Efficiency	0.5 units
ESTM 441	Solar Thermal Technology and Design	3 units
ESTM 490	Capstone Project in Energy Systems Technology Management	1.5 - 3 units

ESTM 665	Selected Topics in Energy Systems Technology Management	0.5 - 2 units
MGMT 100	Introduction to Business Management	3 units

Total Required Units: 25

CA Solar Installation

The Certificate of Achievement in Solar Installation prepares students for a variety of jobs in the energy and construction sectors, especially related to solar. The program provides a breadth of knowledge in solar and related job functions, focusing on residential photovoltaics (PV) applications. Coursework also includes solar thermal and commercial applications. The program prepares students primarily for jobs as solar installers and designers. The technical and business training will also enable students with additional experience or training to work as advanced installers or designers, estimators, sales representatives, compliance and quality assurance analysts, account representatives, marketing representatives, rebate specialists, program and project managers, crew leads, and to start and operate businesses as construction and energy contractors and consultants. The program includes preparatory material relevant to credentials from the North American Board of Certified Energy Practitioners (NABCEP). The program does not require a capstone project, and has more flexible requirements with fewer units than the associate's degree.

Career Opportunities

Solar Installer, Designer, Cost Estimator.

Required Core Courses:		Units
BUS. 115	Business Mathematics	3 units
OR		
BUS. 120	Mathematical Analysis for Business	3 units
BUS. 401	Business Communications	3 units
ESTM 400	Clean Energy Concepts, Policies and Industries	3 units
ELEC 110	Fundamentals of Electronics	4 units
ESTM 402	Introduction to Residential Construction	3 units
ESTM 410	Introduction to Solar Installation and Integration	3.5 units

Select a minimum of 8 units from the following:

		Units
BUS. 100	Introduction to Business	3 units
BUS. 296	New Economy Marketing	3 units
BUS. 297	Business Planning for Success	2 units
COOP 670	Vocational Cooperative Education	1 - 4 units
ENVS 100	Introduction to Environmental Science	3 units
ESTM 411	Introduction to Solar Photovoltaics (PV) Systems and Markets	2 units
ESTM 412	Solar Photovoltaics (PV) Design Fundamentals	2 units
ESTM 413	Solar Photovoltaics (PV) Finance and Sales	2 units
ESTM 427	Introduction to Whole Home Heating, Ventilation, and Cooling (HVAC)	3 units
ESTM 441	Solar Thermal Technology and Design	3 units
ESTM 445	Commercial Solar Photovoltaics (PV) Finance and Sales	2 units
ESTM 490	Capstone Project in Energy Systems Technology Management	1.5 - 3 units
ESTM 665	Selected Topics in Energy Systems Technology Management	0.5 - 2 units
MGMT 100	Introduction to Business Management	3 units

Total Required Units: 27.5

CA Solar Technology and Business

The Certificate of Achievement in Solar Technology and Business prepares students for a variety of jobs in the energy and construction sectors, especially related to solar. The program provides a breadth of knowledge in solar and related job functions, focusing on residential photovoltaics (PV) applications. Coursework also includes solar thermal and commercial applications. The program prepares students primarily for jobs as solar designers, estimators, and sales representatives. The technical



and business training will also enable students with additional experience or training to work as compliance and quality assurance analysts, account representatives, marketing representatives, rebate specialists, program and project managers, crew leads, and to start and operate businesses as construction and energy contractors and consultants. The program includes preparatory material relevant to credentials from the North American Board of Certified Energy Practitioners (NABCEP). The program does not require a capstone project, and has more flexible requirements with fewer units than the associate's degree.

Career Opportunities

This certificate provides skill development for jobs in design, estimation, installation, and sales, cost estimator and rebate process, technical sales representative, and front line sales representative.

For gainful employment information, see this program's [gainful employment website](#).

Required Core Courses:		Units
BUS. 115	Business Mathematics	3 units
OR		
BUS. 120	Mathematical Analysis for Business	3 units
BUS. 401	Business Communications	3 units
ESTM 400	Clean Energy Concepts, Policies and Industries	3 units
ESTM 411	Introduction to Solar Photovoltaics (PV) Systems and Markets	2 units
ESTM 412	Solar Photovoltaics (PV) Design Fundamentals	2 units
ESTM 413	Solar Photovoltaics (PV) Finance and Sales	2 units
MGMT 100	Introduction to Business Management	3 units

Select a minimum of 10 units from the following:		Units
BUS. 100	Introduction to Business	3 units
BUS. 296	New Economy Marketing	3 units
BUS. 297	Business Planning for Success	2 units
COOP 670	Vocational Cooperative Education	1 - 4 units
ELEC 110	Fundamentals of Electronics	4 units
ENVS 100	Introduction to Environmental Science	3 units

ESTM 402	Introduction to Residential Construction	3 units
ESTM 410	Introduction to Solar Installation and Integration	3.5 units
ESTM 425	Commercial and Residential Building Performance Concepts	4 units
ESTM 427	Introduction to Whole Home Heating, Ventilation, and Cooling (HVAC)	3 units
ESTM 441	Solar Thermal Technology and Design	3 units
ESTM 445	Commercial Solar Photovoltaics (PV) Finance and Sales	2 units
ESTM 490	Capstone Project in Energy Systems Technology Management	1.5 - 3 units
ESTM 665	Selected Topics in Energy Systems Technology Management	0.5 - 2 units

Total Required Units: 28

SC Climate Protection Professional

The Career Certificate in Climate Protection Professional provides a leadership and management-oriented certificate for emerging professionals who work on greenhouse gas emissions (GHG) reduction and climate adaptation projects. The program is a 10-unit certificate that provides content training in climate change science, current climate protection, policies in California, analytic tools, project management, workplace effectiveness, communication, and fundraising.

Career Opportunities

Project manager; Program manager; Sustainability manager or coordinator; Sustainability analyst.

Program Learning Outcomes

Students completing this program will be able to:

1. Produce a finished, or in progress, portfolio presentation, or a professional report, based on a project developed in partnership with a host project site (a client), that includes technical and qualitative analysis (context, history, inventories, plans, assessments)
2. Conduct a cost-benefit financial analysis of a climate change initiative, including project funding sources related to client or case study scenario,

resourcing grants, contracts, tax credits, utility rebates, or other sources.

- Design a project work plan, and track workflow progress and financial controls of project activities, tasks, and funding.
- Conduct a job search, including identifying career and employment resources, writing a resume, cover letter, and performing a successful interview.
- Produce a final portfolio report or presentation based on client site project analysis, findings, and recommendations.

and up-to-date in construction science and management.

- Comprehend and articulate/instruct others on the basic concepts of building science and physical properties and processes of residential and commercial buildings and interior and exterior environmental concerns, according to observation, measurements, and assessments conducted in buildings.
- Formulate and execute effective, strategic solutions to construction management challenges in the field.

Required Courses		Units
ESTM 491	Climate Protection Professional I	3 units
OR		
ENVS 491	Climate Protection Professional I	3 units
ESTM 492	Climate Protection Professional II	3 units
OR		
ENVS 492	Climate Protection Professional II	3 units
ENVS 670	Vocational Cooperative Education in Environmental Science & Technology	4 units

Total Required Units: 10

CC Construction Management

The Career certificate is focused on the core technical and management skills required in the field of Construction Management. This certificate is designed to meet the needs of students who want to pursue skills and abilities within the Construction Management profession. It also provides students who are currently employed in the construction industry the opportunity for entry into and/or advancement in management positions.

Career Opportunities

The course is beneficial to anyone in construction and provides a foundation to pursue many job positions. Specific career positions include, but are not limited to: Project Managers, Crew Chiefs, Facility Operators, Licensed Contractors, Business Managers, Skilled Office Staff, Developers, Designers, etc.

Program Learning Outcomes

Students completing this program will be able to:

- Apply appropriate course content in order to build upon sound fundamentals which are accurate

Required Core Courses		Units
ESTM 425	Commercial and Residential Building Performance Concepts	4 units
ESTM 450	Fundamentals of Construction Management	3 units
OR		
MGMT 450	Fundamentals of Construction Management	3 units
ESTM 452	OSHA 10 Construction Industry Training	1 unit
OR		
MGMT 452	OSHA 10 Construction Industry Training	1 unit
ESTM 455	Project Site Management Exploration	0.5 units
ESTM 490	Capstone Project in Energy Systems Technology Management	1.5 - 3 units

Total Required Units: 10 - 11.5

SC Residential Energy Assessment and Retrofitting

The Career Certificate in Residential Energy Assessment and Retrofitting prepares students for jobs as energy auditors, retrofit technicians and installers, compliance analysts (quality assurance), energy regulation specialists, rebate processors, cost estimators, and front-line technical sales representatives. The program includes preparatory material relevant to credentials from the Building Performance Institute (BPI).

Career Opportunities

• Energy auditor, home energy rater • Retrofit technician, installer • Compliance analyst (quality assurance), • Energy regulation specialist • Rebate processor • Cost estimator

Program Learning Outcomes

Students completing this program will be able to:

1. Conduct energy assessments and develop scopes of work for residential building retrofits.
2. Perform home energy and performance upgrades.
3. Demonstrate proficiency in basic sales techniques.

Required courses:	Units
ESTM 425 Commercial and Residential Building Performance Concepts	4 units
ESTM 426 Building Performance Retrofitting	4 units

Total Required Units: 8

SC Solar Design, Estimation, Finance, and Sales

The Skills Certificate in Solar Design, Estimation, Finance, and Sales prepares students for technical operations and customer-facing jobs, and provides introductory training for workers looking to transition within the trades or from related fields. The program focuses on residential photovoltaics (PV) applications, but offers pre par - atory material relevant to thermal and commercial applications. The certificate stacks into the longer Certificates of Achievement and Associate degree programs in the ESTM department. The program includes preparatory material relevant to credentials from the North American Board of Certified Energy Practitioners (NABCEP).

Career Opportunities

Designer 1 and 2, cost estimator and rebate processors, technical sales representatives, front-line sales representatives.

Program Learning Outcomes

Students completing this program will be able to:

1. Develop a portfolio project proposal based on current marketing and sales techniques, practices, strategies, and technology applied to the residential photovoltaics (PV) industry.

2. Design residential solar systems and perform basic cost estimation and sales based on utility costs and rebate and tax incentives.

Required Courses:	Units
ESTM 411 Introduction to Solar Photovoltaics (PV) Systems and Markets	2 units
ESTM 412 Solar Photovoltaics (PV) Design Fundamentals	2 units
ESTM 413 Solar Photovoltaics (PV) Finance and Sales	2 units

Total Required Units: 6

CS Solar Energy Technology

Required Courses	Units
ELEC 110 Fundamentals of Electronics	4 units
ESTM 410 Introduction to Solar Installation and Integration	3.5 units
OR	
ENVS 410 Introduction to Solar Installation and Integration	3.5 units
ESTM 411 Introduction to Solar Photovoltaics (PV) Systems and Markets	2 units
ESTM 412 Solar Photovoltaics (PV) Design Fundamentals	2 units
OR	
ESTM 413 Solar Photovoltaics (PV) Finance and Sales	2 units
ESTM 400 Clean Energy Concepts, Policies and Industries	3 units
OR	
ENVS 100 Introduction to Environmental Science	3 units

Total Required Units: 14.5

CC Solar Installation

Required Courses		Units
ELEC 110	Fundamentals of Electronics	4 units
ELEC 410	Introduction to Solar Installation and Integration	3.5 units
OR		
ENVS 410	Introduction to Solar Installation and Integration	3.5 units

Total Required Units: 7.5

ENGINEERING

AS Associate in Science Degree Program

Electrical Engineering..... 60 units

AS Electrical Engineering

The Electrical Engineering Associates of Science degree program prepares students for transfer to a four-year institution to complete their baccalaureate degree in engineering and opens the door for entry-level internships in engineering. Special emphasis is given to developing skills in critical thinking, communication, teamwork, and entry-level skills in electronics design and embedded systems software development.

Career Opportunities

Engineering is one of the highest paid professions in the country. Electrical Engineering graduates work in a variety of specialized fields including analog and digital electronics, electrical power systems, power electronics, electromechanical systems, computer architecture, digital signal processing, software and firmware development, embedded systems, robotics and mechatronics, and wireless communications. Typical entry-level positions include quality assurance and systems testing, and frequently involve working on project teams.

Program Learning Outcomes

Students completing this program will be able to:

1. Apply knowledge of math, science, and engineering to identify, formulate, and solve engineering problems.

2. Collaborate, communicate effectively, and work well in situations that require teamwork and leadership.
3. Design and perform tests or experiments, analyze and interpret data including the use of statistical error analysis, and prepare technical reports summarizing the results of the tests or experiments.
4. Develop an electrical or electronic hardware design or embedded system given a set of requirements, specifications, and constraints.
5. Use techniques, skills, and modern engineering and computer tools necessary for electrical engineering practice including computer aided drafting (CAD) software, circuit simulation software, modern electronics test equipment, circuit prototyping and repair tools, design and manufacture of printed circuit boards, and embedded programming development tools and devices.

Complete Core Courses, 29 units

Units

ENGR 100	Introduction to Engineering	3 units
MATH 251	Calculus with Analytic Geometry I	5 units
MATH 252	Calculus with Analytic Geometry II	5 units
MATH 253	Calculus with Analytic Geometry III	5 units
MATH 275	Ordinary Differential Equations	3 units
PHYS 250	Physics with Calculus I	4 units
PHYS 260	Physics with Calculus II	4 units

Complete Electrical Engineering Courses, 13 Units

Units

CHEM 210	General Chemistry I	5 units
ENGR 260	Circuits and Devices	3 units
ENGR 261	Circuits and Devices Laboratory	1 unit
COMP 250	Introduction to Object-Oriented Programming: C++	3 units
COMP 251	Introduction to Microcontrollers with C/C++	1 unit

Total Required Major Units: 42

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

Skyline 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.

Please refer to the AA/AS Degree Requirements for more information.

ENGLISH

AA Associate in Arts Degree Program

English..... 60 units

AA-T Associate in Arts Degree for Transfer

English for Transfer..... 60 units

AA English

Course transfer requirements and electives for English majors may be different from course requirements and electives for English majors seeking the Associate Degree. Please check with a counselor or with the English Department for specifics.

Program Learning Outcomes

Students completing this program will be able to:

1. Write focused, coherent, well-developed, largely text-based expository essays organized into effective paragraphs, which support a clear thesis statement, and demonstrate competence in standard English grammar and usage.
2. Demonstrate comprehension, critical reading, and critical thinking skills through analysis and evaluation of ideas from multiple perspectives and sources.
3. Apply basic research to locate relevant sources for the task, evaluate their credibility, and document them according to academic conventions.
4. Literature: Demonstrate an understanding of important literary movements, literary forms, and the historical, intellectual, social, and cultural contexts of the assigned texts.
5. Literature: Analyze major themes and literary techniques in a broad range of literary works
6. Literature: Write essays using the conventions of literary analysis and criticism, including text-based argumentation and documentation in MLA format.

7. Literal comprehension: Demonstrate a literal comprehension of college level readings.
8. Critical comprehension: Analyze, synthesize, and evaluate college level readings.
9. Application of study-reading strategies: Determine and apply appropriate study-reading strategies to college-level texts.
10. Metacognition: Demonstrate awareness of their own competencies as readers, thinkers and scholars engaged in academic discourse in cross-disciplinary contexts.

Required Core Courses

Select a minimum of 6 units from the following:

		Units
ENGL 100	Composition	3 units
ENGL 110	Composition, Literature, and Critical Thinking	3 units
ENGL 165	Critical Thinking and Advanced Composition	3 units

Plus a selection of 12 units from the following, 6 units of which must be literature courses:

		Units
ENGL 103	Applied English Skills for Cultural Production I	3 units
ENGL 104	Applied English Skills for Cultural Production II	3 units
ENGL 161	Creative Writing I	3 units
ENGL 162	Creative Writing II	3 units
ENGL 203	Applied English Skills for Cultural Production III	3 units
ENGL 204	Applied English Skills for Cultural Production IV	3 units
FILM 440	Film Study and Appreciation	3 units
JOUR 120	Writing and Reporting for the Media	3 units
JOUR 121	Advanced Writing and Reporting for the Media	3 units
LIT. 101	Contemporary Literature	3 units
LIT. 191	Children's Literature	3 units
OR		
ECE. 191	Children's Literature	3 units
LIT. 154	Queer Literature	3 units
LIT. 201	American Literature I	3 units
LIT. 202	American Literature II	3 units

LIT. 231	Survey of British Literature I	3 units
LIT. 232	Survey of British Literature II	3 units
LIT. 251	Women in Literature	3 units
LIT. 265	Asian American Literature	3 units
LIT. 266	Black Literature	3 units
LIT. 267	Filipino American Literature	3 units
LIT. 370	Readings in Literature of the Latino in the United States	3 units
LIT. 432	Folklore	3 units

Total Required Major Units: 18

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

Rotation of Literature Courses

Day, Evening and Online Classes

Listed below are tentative Literature offerings for the upcoming semesters.

Fall 2018	
Online	LIT. 201 American Literature I
LIT. 231 Survey of British Literature I	
On Campus	LIT. 267 Filipino American Literature
Spring 2019	
Online	LIT. 202 American Literature II
LIT. 232 Survey of British Literature II	
On Campus	LIT. 191 Children's Literature
LIT. 266 Black Literature	
Summer 2019	
Online	LIT. 221 Introduction to World Literature II
LIT. 432 Folklore	

AA-T English for Transfer

The Associate in Arts in English for Transfer Degree (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does not accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular campus or university or college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Required Core Courses	Units
ENGL 165 Critical Thinking and Advanced Composition	3 units
ENGL 110 Composition, Literature, and Critical Thinking	3 units

List A - Select two courses from the following:	Units
LIT. 201 American Literature I	3 units
LIT. 202 American Literature II	3 units
LIT. 231 Survey of British Literature I	3 units
LIT. 232 Survey of British Literature II	3 units

List B - Select one course from the following:	Units
ENGL 161 Creative Writing I	3 units

List C - Select one course from the following:	Units
LIT. 101 Contemporary Literature	3 units
LIT. 191 Children's Literature	3 units
LIT. 251 Women in Literature	3 units
LIT. 265 Asian American Literature	3 units
LIT. 266 Black Literature	3 units



LIT. 267	Filipino American Literature	3 units
LIT. 370	Readings in Literature of the Latino in the United States	3 units
LIT. 432	Folklore	3 units
ASL 111	American Sign Language IA	3 units
ASL 112	American Sign Language IB	3 units
ARBC 111	Elementary Arabic I	3 units
ARBC 112	Elementary Arabic II	3 units
CHIN 111	Elementary Chinese I	3 units
CHIN 112	Elementary Chinese II	3 units
FILI 110	Elementary Filipino	5 units
FILI 111	Elementary Filipino I	3 units
FILI 112	Elementary Filipino II	3 units
FILI 120	Advanced Elementary Filipino	5 units
SPAN 110	Elementary Spanish	5 units
SPAN 111	Elementary Spanish I	3 units
SPAN 112	Elementary Spanish II	3 units
SPAN 120	Advanced Elementary Spanish	5 units
SPAN 130	Intermediate Spanish	4 units
SPAN 140	Advanced Intermediate Spanish	4 units
SPAN 220	Spanish for Spanish Speakers I	5 units
SPAN 230	Spanish for Spanish Speakers II	5 units
JOUR 120	Writing and Reporting for the Media	3 units
BUS. 401	Business Communications	3 units

Total Required Major Units: 18 - 20

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 9-12 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline Associate Degree Requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

GEOLOGY

AS-T Associate in Science Degree for Transfer

Geology for Transfer..... 60 units

AS-T Geology for Transfer

An Associate in Science in Geology for Transfer (AS-T) from Skyline College prepares students for transfer to a baccalaureate institution to obtain a degree in Geology or a closely related discipline. Additionally, this degree allows student to learn the fundamental principles and practices in Geology in order to create a solid foundation and solid preparation that is appropriate for a variety of scientific disciplines. The program will produce students well prepared to transfer to the California State University system to undertake a study of upper division theoretical and/or experimental course work in Geology. The Associate in Science in Geology for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in Geology or a closely related discipline at a California State University (CSU) campus. Students completing this degree are guaranteed admission to the California State University system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending the transfer to a particular university or college that is not part of the CSU system and should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

Required Courses

Required Courses	Units
GEOL 210 General Geology	4 units
GEOL 220 Historical Geology	4 units
CHEM 210 General Chemistry I	5 units
CHEM 220 General Chemistry II	5 units
MATH 251 Calculus with Analytic Geometry I	5 units
MATH 252 Calculus with Analytic Geometry II	5 units

Recommended Preparation

In addition to the above, students in the major are urged to consider the following related courses as recommended preparation for the AS-T:

		Units
BIOL 215	Organismal Biology: Core I	5 units
PHYS 250	Physics with Calculus I	4 units
PHYS 260	Physics with Calculus II	4 units

Total Required Major Units: 28

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 7 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

HEALTH SCIENCE**AS-T Associate in Science Degree for Transfer**

Public Health Science for Transfer..... 60 units

AS-T Public Health Science for Transfer

The Associates Degree of Transfer in Public Health Science prepares students for advanced study in public health and community health education. Students explore and make sense of the complex, dynamic forces that affect human and population health at the local, national and global levels. Students will explore the environmental, social, behavioral and political drivers of chronic and infectious diseases, health disparities, premature death, disease epidemics and strategies for addressing these issues. After

acquiring skills, students can choose to pursue advanced study in public health or health education, or work in the field of community health education in a variety of settings including public schools, community clinics, hospitals and medical centers, and government public health agencies.

Career Opportunities

A variety of career options exist for Public Health Science degree holders both at the associate and bachelor's levels. At the associate level, students may work as community health educators, community health outreach workers, health counselors or health research assistants. For students who transfer to one of the approved Health Science majors in the CSU system, career opportunities broaden further. With a bachelors graduates may work as any of the aforementioned as well as: health education coordinators, trainers, health program planners, health coaches, school-based health educators and more. Community health workers can work in a variety of settings including community health centers, schools, private medical offices and hospitals, county public health agencies, public health research projects and more.

Program Learning Outcomes

Students completing this program will be able to:

1. Identify factors influencing the public's health including factors related to public policy, socioeconomics, and the environment that contribute to epidemics, health disparities and leading causes of morbidity and mortality.
2. Make connections between the psychosocial, behavioral, biomedical and environmental aspects of human health.
3. Apply basic statistical methods to measuring and understanding population health.

Required Core (29-31 units)**Units**

MATH 200	Elementary Probability & Statistics	4 units
HSCI 100	General Health Science	3 units
HSCI 135	Introduction to Public Health	3 units
BIOL 110	Principles of Biology	4 units
OR		
BIOL 130	Human Biology	3 units
BIOL 250	Human Anatomy	4 units
BIOL 260	Human Physiology	5 units
CHEM 192	Elementary Chemistry	4 units
OR		
CHEM 210	General Chemistry I	5 units
PSYC 100	General Psychology	3 units



List A: Select one course (3 units) from the following:

		Units
ECON 100	Principles of Macro Economics	3 units
ECON 102	Principles of Microeconomics	3 units
SOCI 100	Introduction to Sociology	3 units
FCS 310	Nutrition	3 units
HSCI 130	Human Sexuality	3 units

Total Required Major Units: 32 - 34

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

A total of 18 - 21 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline Associate Degree Requirements.

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

HISTORY

AA Associate in Arts Degree Program

International Studies.....60 units

AA-T Associate in Arts Degree for Transfer

History for Transfer..... 60 units

AA International Studies

Students completing this major will gain a global perspective on the histories, political structures, and cultures of all of the world's regions, as well as expertise in a specific region of their choice.

All students in this major will take a set of core courses that provide a common framework for an understanding of historical, economical, cultural and political relations. Each student will also choose one of four areas for specialization:

Asia, Europe, Latin America, or the Philippines for more extensive study of the history, language, and arts of that area. This major provides the foundation to transfer into International Studies/Relations or majors with specific geopolitical areas of emphasis and is valuable for students planning a career in education, business, law and many other areas where an understanding of diverse cultures is important.

Required core course in Social Sciences

		Units
PLSC 130	International Relations	3 units

Plus 9 units from the following:

		Units
HIST 104	World Civilizations I	3 units
HIST 106	World Civilizations II	3 units
GEOG 110	Cultural Geography	3 units
ECON 100	Principles of Macro Economics	3 units
ANTH 110	Cultural Anthropology	3 units

Plus 6 to 10 units from one of the following languages:

		Units
ARBC 111	Elementary Arabic I	3 units
ARBC 112 *	Elementary Arabic II	3 units
CHIN 111	Elementary Chinese I	3 units
CHIN 112 *	Elementary Chinese II	3 units
FILI 110	Elementary Filipino	5 units
FILI 111	Elementary Filipino I	3 units
FILI 112 *	Elementary Filipino II	3 units
FILI 120 **	Advanced Elementary Filipino	5 units
SPAN 110	Elementary Spanish	5 units
SPAN 120 **	Advanced Elementary Spanish	5 units

Plus a minimum of 6 units from two different departments in one of the following Area Studies:

		Units
	African Diaspora	
HIST 244	African American History	3 units
HIST 444	Survey of Sub-Saharan African History	3 units
LIT. 266	Black Literature	3 units

PSYC 238	Arab Cultural Psychology	3 units
PSYC 268	Black Psychology	3 units
SOCI 143	Sociology of Migration and Immigration	3 units
Asia		
ART 105	Art of Asia & the Near East	3 units
CHIN 111 *	Elementary Chinese I	3 units
CHIN 122 *	Advanced Elementary Chinese II	3 units
ECON 310	Political Economy of Asia	3 units
HIST 430	Early Asian Civilizations	3 units
HIST 432	Modern Asian Civilizations	3 units
HIST 453	History of China	3 units
LIT. 265	Asian American Literature	3 units
Europe		
ART 101	History of Western Art I	3 units
ART 102	History of Western Art II	3 units
SPAN 110 *	Elementary Spanish	5 units
SPAN 111 *	Elementary Spanish I	3 units
SPAN 121 *	Advanced Elementary Spanish I	3 units
SPAN 122 *	Advanced Elementary Spanish II	3 units
SPAN 140 *	Advanced Intermediate Spanish	4 units
HIST 100	History of Western Civilization I	3 units
HIST 101	History of Western Civilization II	3 units
HIST 109	Europe Since 1945	3 units
PHIL 175	History of Western Philosophy: 16th - 18th Century	3 units
Latin America		
ART 120	Art of the Americas	3 units
SPAN 110 *	Elementary Spanish	5 units
SPAN 111 *	Elementary Spanish I	3 units
SPAN 121 *	Advanced Elementary Spanish I	3 units
SPAN 122 *	Advanced Elementary Spanish II	3 units

SPAN 140 *	Advanced Intermediate Spanish	4 units
HIST 420	Survey of Latin American History	3 units
HIST 429	History of Latinos in the United States	3 units
LIT. 370	Readings in Literature of the Latino in the United States	3 units
Middle East		
ARBC 111 *	Elementary Arabic I	3 units
ARBC 112 *	Elementary Arabic II	3 units
HIST 335	History and Politics of the Middle East	3 units
OR		
PLSC 335	History and Politics of the Middle East	3 units
PSYC 238	Arab Cultural Psychology	3 units
Philippines		
ECON 310	Political Economy of Asia	3 units
FILI 110 *	Elementary Filipino	5 units
FILI 111 *	Elementary Filipino I	3 units
FILI 112 *	Elementary Filipino II	3 units
FILI 120 *	Advanced Elementary Filipino	5 units
HIST 435	History of the Philippines	3 units
HIST 436	Filipinos in America	3 units
LIT. 267	Filipino American Literature	3 units
SOCI 142	Filipina/o Community Issues	3 units

Recommended Electives**Units**

In addition to the above, students in the major are urged to consider the following related courses as electives for the AA degree:

ECON 102	Principles of Microeconomics	3 units
GEOG 150	World Regional Geography	3 units
MUS. 250	World Music	3 units
PHIL 300	Intro to World Religions	3 units

Students are also urged to participate in Skyline's Study Abroad program. Study Abroad programs through other institutions may also be appropriate. For information, contact SMCCCD Study Abroad at Skyline College at (650) 738-7098.



* 6 units, the equivalent of 1 semester of college-level foreign language

** 10 units, the equivalent of 1 year of college-level foreign language and also meets Languages other than English portion of IGETC

Total Required Major Units: 24 - 28

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

AA-T History for Transfer

The Associate in Arts in History for Transfer (AA-T) from Skyline College prepares students for transfer to a baccalaureate institution to obtain a degree in History or a closely related degree. History degrees are often preparation for careers in education, law or the Foreign Service. Additionally, this degree develops key critical thinking skills and enhances the student's ability to participate fully and meaningfully as a citizen in a democracy.

The Associate in Arts Degree for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate ability to understand, analyze and evaluate historical processes that affect the United States and other nations, such as nation building, social change, economic development, consolidation of power and geopolitical conflict.

Required Core Courses	Units
HIST 201 United States History I	3 units

HIST 202	United States History II	3 units
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List A: (Select two courses from the following):

		Units
HIST 100	History of Western Civilization I	3 units
OR		
HIST 104	World Civilizations I	3 units
HIST 101	History of Western Civilization II	3 units
OR		
HIST 106	World Civilizations II	3 units

List B: (Select one course from Area 1 and one course from Area 2):

		Units
Area 1:		
HIST 104 *	World Civilizations I	3 units
HIST 106 *	World Civilizations II	3 units
HIST 235	History of Ethnic Groups in the United States	3 units
HIST 240	History of Ethnic Groups in California	3 units
HIST 244	African American History	3 units
HIST 248	Women and The American Experience	3 units
HIST 335	History and Politics of the Middle East	3 units
HIST 420	Survey of Latin American History	3 units
HIST 429	History of Latinos in the United States	3 units
HIST 430	Early Asian Civilizations	3 units
HIST 432	Modern Asian Civilizations	3 units
HIST 435	History of the Philippines	3 units
HIST 436	Filipinos in America	3 units
HIST 444	Survey of Sub-Saharan African History	3 units
HIST 453	History of China	3 units
ARBC 111	Elementary Arabic I	3 units
ASL 111	American Sign Language IA	3 units
CHIN 111	Elementary Chinese I	3 units
FILI 111	Elementary Filipino I	3 units
Area 2:		

HIST 108	Survey of American History	3 units
HIST 203	The United States Since 1945	3 units
HIST 300	History of San Francisco	3 units
HIST 310	California History	3 units
ECON 100	Principles of Macro Economics	3 units
GEOG 110	Cultural Geography	3 units
GEOG 150	World Regional Geography	3 units
PLSC 210	American Politics	3 units
PLSC 301	California State and Local Government	3 units

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

Please refer to the AA/AS Degree Requirements for more information.

* *If not used to meet List A requirement

Total Required Major Units: 18

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 6 to 15 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

HOSPITALITY AND TOURISM MANAGEMENT

SC Skills Certificate

- Food & Beverage Entry-Level Professional..... 7 units
- Guest Service Entry-Level Professional..... 6.5 units
- Meeting & Event Planning Entry-Level Professional. 6.5 units

SC Food & Beverage Entry-Level Professional

Hospitality and tourism are among the world's largest and fastest growing industries, offering endless opportunities for students who enjoy working with people in the Hospitality and Tourism Management program prepares students for careers in this exciting and fast paced career pathway. Students receive relevant and hands-on training in various segments of the hospitality and tourism industry. Educational tracks in the following areas include hotel and resorts, meeting and event planning, food service and restaurant management.

Successful individuals in the Hospitality and Tourism industry are equipped with the skills necessary to provide exceptional customer service, effective decision making, ability to work well in a team environment, and use current technology in hospitality and tourism operations.

Career Opportunities

Server Assistant, Host, Restaurant Server, Banquet Server, Food Runner, Cafe Attendant, Food Service Associate

Program Learning Outcomes

Students completing this program will be able to:

1. Students will demonstrate skills necessary in entry-level restaurant/banquet operations.
2. Students will identify basic food safety and sanitation standards required in restaurant and food service operations.

Required Courses		Units
HTM. 101	Introduction to Hospitality and Tourism Management	3 units
HTM. 125	Restaurant and Banquet Operations	1 unit
HTM. 120	Sanitation Practices in the Hospitality Industry	3 units

Total Required Units: 7

SC Guest Service Entry-Level Professional

Career Opportunities

Front Desk Agent, Guest Services Associate, Gate Agent, Concierge,

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate successful problem-solving techniques used in hospitality and tourism businesses.
2. Describe hotel/resort operational departments and their essential functions.
3. Identify career opportunities in the hospitality and tourism management industry and the required skills, knowledge and abilities of a successful employee in the industry.

Required Courses	Units
HTM. 101 Introduction to Hospitality and Tourism Management	3 units
HTM. 124 Excellence in Guest Service	0.5 units
HTM. 230 Hotel and Resort Management	3 units

Total Required Units: 6.5

SC Meeting & Event Planning Entry-Level Professional

Hospitality and tourism are among the world's largest and fastest growing industries, offering endless opportunities for students who enjoy working with people. The Hospitality and Tourism Management program prepares students for careers in this exciting and fast paced career pathway. Students receive relevant and hands-on training in various segments of the hospitality and tourism industry. Educational tracks in the following areas include hotel and resorts, meeting and event planning, food service and restaurant management.

Successful individuals in the Hospitality and Tourism industry are equipped with the skills necessary to provide exceptional customer service, effective decision making, ability to work well in a team environment, and use current technology in hospitality and tourism operations.

Career Opportunities

Catering Assistant, Special Event Associate, Entry-Level Event Representative,

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate how to work effectively with internal and external clients.

2. Identify all aspects and necessary functions of a successful meetings or event.
3. Demonstrate the skills necessary to utilize technology in meeting and event planning.
4. Implement a special events project.

Required Courses	Units
HTM. 140 Introduction to Meeting, Event and Conference Management	3 units
HTM. 108 Technology Essentials in Hospitality	3 units
HTM. 124 Excellence in Guest Service	0.5 units

Total Required Units: 6.5

INTERDISCIPLINARY STUDIES

AA Associate in Arts Degree Program

Interdisciplinary Studies: Arts and Humanities..... 60 units

Interdisciplinary Studies: Health and Physical Education..... 60 units

Interdisciplinary Studies: Letters and Science..... 60 units

Interdisciplinary Studies: Social and Behavioral Sciences..... 60 units

Interdisciplinary Studies: Social and Natural Sciences..... 60 units

AA Interdisciplinary Studies: Arts and Humanities

The Interdisciplinary Studies degree is designed for students who wish to pursue broad areas of knowledge in arts and sciences plus additional knowledge in an "Areas of Emphasis." This degree is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.

Note: A minimum grade of C is required in all courses applied to any area of emphasis in this major.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at their target transfer institution.

Degree Requirements

1. Complete Residency, Scholarship, Basic Competency, Specific Area, and General Education requirements for the Skyline College Associate Degree
1. Meet the Basic Competency requirements in Writing/Reading, Mathematics/Quantitative Reasoning, and Information Literacy
2. Meet the Specific Area requirements in American History and Institutions, English, Physical Education and Ethnic and Cultural Diversity
3. Complete Skyline General Education Requirements
2. Successfully Complete 18 units in **one** of the following areas of emphasis

AREAS OF EMPHASIS FOR INTERDISCIPLINARY STUDIES MAJOR

Arts and Humanities

This area of emphasis integrates the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will analyze and evaluate the ways in which people through the ages in different cultures have responded to themselves and the world around them in cultural and artistic creation.

Health and Physical Education

The health, family and consumer science, physical education and psychology courses emphasize theoretical and practical knowledge for maintenance of physical and mental health. The physical education and intercollegiate athletic courses provide students with the opportunity to develop active and healthy life styles.

Letters and Science

This area of emphasis integrates the study of the world around us by developing analytical skills needed to understand the physical world and the human beings who occupy it, including the artifacts they produce.

Social and Behavioral Sciences

This area of emphasis studies the systems and institutions human beings in various cultures develop to organize their lives in both individual and group settings.

Social and Natural Sciences

This area of emphasis integrates the study and application of scientific methodology from two perspectives, that of the social sciences which consider the human world in several aspects, and that of the natural sciences which consider the world in its physical and biological aspects.

Program Learning Outcomes

Students completing this program will be able to:

1. Analyze and evaluate artistic and cultural creations as a reflection of certain socio-cultural periods.
2. Demonstrate effective communication through written and oral forms, and through other forms as appropriate.

Select a minimum of 18 units from the following:

	Units
ARBC 111 Elementary Arabic I	3 units
ARBC 112 Elementary Arabic II	3 units
ART 101 History of Western Art I	3 units
ART 102 History of Western Art II	3 units
ART 105 Art of Asia & the Near East	3 units
ART 107 Art of Our Times	3 units
ART 115 Art, Music and Ideas	3 units
ART 117 Arts of Africa and the African Diaspora	3 units
ART 120 Art of the Americas	3 units
ART 130 Art Appreciation	3 units
ART 204 Drawing I	3 units
ART 221 Painting I	3 units
ART 301 Two-Dimensional Design	3 units
ART 350 Visual Perception Through Photography	3 units
ART 351 Black and White Photography I	3 units
ART 352 Black and White Photography II	3 units
ART 354 Digital Photography I	3 units
ART 355 Digital Photography II	3 units
ART 405 Sculpture I	3 units
ART 411 Ceramics I	3 units
ASL 111 American Sign Language IA	3 units
ASL 112 American Sign Language IB	3 units
CHIN 111 Elementary Chinese I	3 units
CHIN 112 Elementary Chinese II	3 units

DANC 130.1	Jazz Dance I: Lyrical, Pop & Broadway	0.5 or 1 units
DANC 130.2	Jazz Dance II – Lyrical, Pop and Broadway	0.5 - 1 units
DANC 130.3	Jazz Dance III – Lyrical, Pop and Broadway	0.5 - 1 units
DANC 130.4	Jazz Dance IV – Lyrical, Pop and Broadway	0.5 - 1 units
DANC 140.1	Ballet I	0.5 - 1 units
DANC 140.2	Ballet II	0.5 - 1 units
DANC 140.3	Ballet III	0.5 - 1 units
DANC 140.4	Ballet IV	0.5 - 1 units
DANC 330.1	Creative Dance I	0.5 - 1 units
DANC 330.2	Creative Dance II	0.5 - 1 units
DANC 330.3	Creative Dance III	0.5 - 1 units
DANC 330.4	Creative Dance IV	0.5 - 1 units
DANC 350.1	Cardio Dance I	0.5 - 1 units
DANC 350.2	Cardio Dance II	0.5 - 1 units
DANC 350.3	Cardio Dance III	0.5 - 1 units
DANC 350.4	Cardio Dance IV	0.5 - 1 units
DANC 400.1	Dance Performance and Production I	0.5 - 2 units
DANC 400.2	Dance Performance and Production II	0.5 - 2 units
DANC 400.3	Dance Performance and Production III	0.5 - 2 units
DANC 400.4	Dance Performance and Production IV	0.5 - 2 units
ECE. 191 *	Children's Literature	3 units
ENGL 110	Composition, Literature, and Critical Thinking	3 units
ENGL 161	Creative Writing I	3 units
FILI 110	Elementary Filipino	5 units

FILI 111	Elementary Filipino I	3 units
FILI 112	Elementary Filipino II	3 units
FILM 440	Film Study and Appreciation	3 units
HIST 100	History of Western Civilization I	3 units
HIST 101	History of Western Civilization II	3 units
HIST 104	World Civilizations I	3 units
HIST 106	World Civilizations II	3 units
HIST 108	Survey of American History	3 units
HIST 109	Europe Since 1945	3 units
HIST 201	United States History I	3 units
HIST 202	United States History II	3 units
HIST 203	The United States Since 1945	3 units
HIST 235	History of Ethnic Groups in the United States	3 units
HIST 240	History of Ethnic Groups in California	3 units
HIST 244	African American History	3 units
HIST 248	Women and The American Experience	3 units
HIST 300	History of San Francisco	3 units
HIST 310	California History	3 units
HIST 335	History and Politics of the Middle East	3 units
HIST 410	The Holocaust	3 units
HIST 420	Survey of Latin American History	3 units
HIST 429	History of Latinos in the United States	3 units
HIST 430	Early Asian Civilizations	3 units
HIST 432	Modern Asian Civilizations	3 units
HIST 435	History of the Philippines	3 units
HIST 436	Filipinos in America	3 units
HIST 444	Survey of Sub-Saharan African History	3 units
HIST 453	History of China	3 units
LIT. 101	Contemporary Literature	3 units
LIT. 151	Introduction to Shakespeare	3 units
LIT. 191	Children's Literature	3 units
LIT. 251	Women in Literature	3 units
LIT. 265	Asian American Literature	3 units
LIT. 266	Black Literature	3 units
LIT. 267	Filipino American Literature	3 units

LIT. 370	Readings in Literature of the Latino in the United States	3 units
LIT. 432	Folklore	3 units
MUS. 100	Fundamentals of Music	3 units
MUS. 111	Musicianship I	1 unit
MUS. 115	Music, Art and Ideas	3 units
MUS. 202	Music Appreciation	3 units
MUS. 204	Music History	3 units
MUS. 250	World Music	3 units
MUS. 275	History of Jazz	3 units
MUS. 301	Piano I	2 units
PHIL 100	Introduction to Philosophy	3 units
PHIL 160	History of Western Philosophy: Ancient and Medieval	3 units
PHIL 175	History of Western Philosophy: 16th – 18th Century	3 units
PHIL 240	Introduction to Ethics	3 units
PHIL 280	Introduction to Political Philosophy	3 units
PHIL 300	Intro to World Religions	3 units
PHIL 312	Introduction to Philosophy of Religion	3 units
PLSC 280	Introduction to Political Philosophy	3 units
PLSC 335	History and Politics of the Middle East	3 units
SOCI 143	Sociology of Migration and Immigration	3 units
SOSC 270	The Civil Rights Movement	3 units
SPAN 110	Elementary Spanish	5 units
SPAN 111	Elementary Spanish I	3 units
SPAN 112	Elementary Spanish II	3 units
SPAN 120	Advanced Elementary Spanish	5 units
SPAN 130	Intermediate Spanish	4 units
SPAN 140	Advanced Intermediate Spanish	4 units
SPAN 220	Spanish for Spanish Speakers I	5 units

*Note: The following pairs are the same course:
 ART 115 and MUS. 115
 HIST 335 and PLSC 335
 PHIL 280 and PLSC 280*

Total Required Major Units: 18

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

TRANSFER NOTES

1. All courses listed in the six areas of emphasis options are transferable to either the University of California (UC), the California State University (CSU), or both UC and CSU. Courses that are transferable only to CSU are marked with an asterisk (*).
2. All courses may be applied to the appropriate areas of the CSU General Education Breadth and/or the UC General Education (IGETC) patterns (See Transfer Planning section of this catalog).

AA Interdisciplinary Studies: Health and Physical Education

The Interdisciplinary Studies degree is designed for students who wish to pursue broad areas of knowledge in arts and sciences plus additional knowledge in an "Areas of Emphasis." This degree is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.

Note: A minimum grade of C is required in all courses applied to any area of emphasis in this major.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at their target transfer institution.

Degree Requirements

1. Complete Residency, Scholarship, Basic Competency, Specific Area, and General Education requirements for the Skyline College Associate Degree
1. Meet the Basic Competency requirements in Writing/Reading, Mathematics/Quantitative Reasoning, and Information Literacy
2. Meet the Specific Area requirements in American History and Institutions, English, Physical Education and Ethnic and Cultural Diversity
3. Complete Skyline General Education Requirements



2. Successfully Complete 18 units in **one** of the following areas of emphasis

The health, family and consumer science, physical education and psychology courses emphasize theoretical and practical knowledge for maintenance of physical and mental health. The physical education and intercollegiate athletic courses provide students with the opportunity to develop active and healthy life styles.

Career Opportunities

Exploratory degree for transfer into career-path four year degrees such as Physical Education, Athletic Training, Nursing, Health Sciences, Physical Therapy, and Mental Health subject areas or for those wishing to earn a degree in areas of emphasis that interest them.

Program Learning Outcomes

Students completing this program will be able to:

1. Explain how to maintain physical and mental health by drawing from theoretical and practical knowledge pertaining to the health sciences, kinesiology, and psychology.
2. Apply, through participation in a range of physical activity, principles of personal, intellectual, social and emotional development.

Choose at least 9 units from courses listed below:

		Units
ECE. 201	Child Development	3 units
FCS 310	Nutrition	3 units
HSCI 100	General Health Science	3 units
HSCI 130	Human Sexuality	3 units
KINE 100	Introduction to Kinesiology	3 units
KINE 305	Health-Related Fitness and Wellness	3 units
KINE 510	Sport, Movement and Film	3 units
P.E. 301 *	Introduction to Personal Training	3 units
PSYC 100	General Psychology	3 units
PSYC 200	Developmental Psychology	3 units
PSYC 201	Child Development	3 units
PSYC 390	Psychology of Consciousness	3 units
PSYC 410	Abnormal Psychology	3 units

Choose at least 9 units from courses listed below:

		Units
COMB 301	Beginning Wrestling	0.5 - 1 units

COMB 302	Intermediate Wrestling	0.5 - 1 units
COMB 401.1	Self Defense I	0.5 - 2 units
COMB 401.2	Self Defense II	0.5 - 2 units
COMB 401.3	Self Defense III	0.5 - 2 units
COMB 401.4	Self Defense IV	0.5 - 2 units
DANC 121.1	Contemporary Modern Dance I	0.5 - 1 units
DANC 121.2	Contemporary Modern Dance II	0.5 - 1 units
DANC 121.3	Contemporary Modern Dance III	0.5 - 1 units
DANC 121.4	Contemporary Modern Dance IV	0.5 - 1 units
DANC 130.1	Jazz Dance I: Lyrical, Pop & Broadway	0.5 or 1 units
DANC 130.2	Jazz Dance II – Lyrical, Pop and Broadway	0.5 - 1 units
DANC 130.3	Jazz Dance III – Lyrical, Pop and Broadway	0.5 - 1 units
DANC 130.4	Jazz Dance IV – Lyrical, Pop and Broadway	0.5 - 1 units
DANC 140.1	Ballet I	0.5 - 1 units
DANC 140.2	Ballet II	0.5 - 1 units
DANC 140.3	Ballet III	0.5 - 1 units
DANC 140.4	Ballet IV	0.5 - 1 units
DANC 152.1	Cuban Salsa I	0.5 - 1 units
DANC 152.2	Cuban Salsa II	0.5 - 1 units
DANC 152.3	Cuban Salsa III	0.5 - 1 units
DANC 152.4	Cuban Salsa IV	0.5 - 1 units
DANC 161	Tango Argentino	0.5 - 1 units
DANC 162	Tango Milonga	0.5 - 1 units

DANC 163	Tango Buenos Aires	0.5 - 1 units
DANC 164	Tango De La Confiteria	0.5 - 1 units
DANC 330.1	Creative Dance I	0.5 - 1 units
DANC 330.2	Creative Dance II	0.5 - 1 units
DANC 330.3	Creative Dance III	0.5 - 1 units
DANC 330.4	Creative Dance IV	0.5 - 1 units
DANC 350.1	Cardio Dance I	0.5 - 1 units
DANC 350.2	Cardio Dance II	0.5 - 1 units
DANC 350.3	Cardio Dance III	0.5 - 1 units
DANC 350.4	Cardio Dance IV	0.5 - 1 units
DANC 400.1	Dance Performance and Production I	0.5 - 2 units
DANC 400.2	Dance Performance and Production II	0.5 - 2 units
DANC 400.3	Dance Performance and Production III	0.5 - 2 units
DANC 400.4	Dance Performance and Production IV	0.5 - 2 units
DANC 665 *	Selected Topics: Dance in Cultural Context	0.5 or 1 units
FITN 106	Varsity Conditioning	0.5 - 2 units
FITN 112.1	Cross Training I	0.5 - 1 units
FITN 112.2	Cross Training II	0.5 - 1 units
FITN 112.3	Cross Training III	0.5 - 1 units
FITN 112.4	Cross Training IV	0.5 - 1 units
FITN 116.1	Body Conditioning I	0.5 - 1 units
FITN 116.2	Body Conditioning II	0.5 - 1 units
FITN 116.3	Body Conditioning III	0.5 - 1 units

FITN 116.4	Body Conditioning IV	0.5 - 1 units
FITN 166.1	Golf Fitness I	0.5 - 2 units
FITN 166.2	Golf Fitness II	0.5 - 2 units
FITN 166.3	Golf Fitness III	0.5 - 2 units
FITN 166.4	Golf Fitness IV	0.5 - 2 units
FITN 201.1	Weight Training I	0.5 - 2 units
FITN 201.2	Weight Training II	0.5 - 2 units
FITN 201.3	Weight Training III	0.5 - 2 units
FITN 201.4	Weight Training IV	0.5 - 2 units
FITN 301.1	Spinning I	0.5 - 1 units
FITN 301.2	Spinning II	0.5 - 1 units
FITN 301.3	Spinning III	0.5 - 1 units
FITN 301.4	Spinning IV	0.5 - 1 units
FITN 304.1	Walking Fitness I	0.5 - 1 units
FITN 304.2	Walking Fitness II	0.5 - 1 units
FITN 304.3	Walking Fitness III	0.5 - 1 units
FITN 304.4	Walking Fitness IV	0.5 - 1 units
FITN 305.1	Cardiovascular Development - Running Emphasis I	0.5 - 2 units
FITN 305.2	Cardiovascular Development - Running Emphasis II	0.5 - 2 units
FITN 305.3	Cardiovascular Development - Running Emphasis III	0.5 - 2 units
FITN 305.4	Cardiovascular Development - Running Emphasis IV	0.5 - 2 units
FITN 332.1	Stretching and Flexibility I	0.5 - 2 units
FITN 332.2	Stretching and Flexibility II	0.5 - 2 units



FITN 332.3	Stretching and Flexibility III	0.5 - 2 units
FITN 332.4	Stretching and Flexibility IV	0.5 - 2 units
FITN 334.1	Yoga I	0.5 - 1 units
FITN 334.2	Yoga II	0.5 - 1 units
FITN 334.3	Yoga III	0.5 - 1 units
FITN 334.4	Yoga IV	0.5 - 1 units
FITN 335.1	Pilates I	0.5 - 1 units
FITN 335.2	Pilates II	0.5 - 1 units
FITN 335.3	Pilates III	0.5 - 1 units
FITN 335.4	Pilates IV	0.5 - 1 units
FITN 400.1	Fitness Academy I	1 - 3 units
FITN 400.2	Fitness Academy II	1 - 3 units
FITN 400.3	Fitness Academy III	1 - 3 units
FITN 400.4	Fitness Academy IV	1 - 3 units
INDV 101.1	Archery I	0.5 - 2 units
INDV 101.2	Archery II	0.5 - 2 units
INDV 101.3	Archery III	0.5 - 2 units
INDV 101.4	Archery IV	0.5 - 2 units
INDV 121.1	Badminton I	0.5 - 1 units
INDV 121.2	Badminton II	0.5 - 1 units
INDV 121.3	Badminton III	0.5 - 1 units
INDV 121.4	Badminton IV	0.5 - 1 units
INDV 126	Coed Club Badminton	0.5 - 1 units

INDV 160.1	Golf I	0.5 - 1 units
INDV 160.2	Golf II	0.5 - 1 units
INDV 160.3	Golf III	0.5 - 1 units
INDV 160.4	Golf IV	0.5 - 1 units
INDV 251.1	Tennis I	0.5 - 1 units
INDV 251.2	Tennis II	0.5 - 1 units
INDV 251.3	Tennis III	0.5 - 1 units
INDV 251.4	Tennis IV	0.5 - 1 units
TEAM 100	Men's Baseball	2 units
TEAM 111.2	Basketball II	0.5 - 1 units
TEAM 111.1	Basketball I	0.5 - 1 units
TEAM 111.3	Basketball III	0.5 - 1 units
TEAM 111.4	Basketball IV	0.5 - 1 units
TEAM 112	Basketball: Advanced Competition Strategies	0.5 - 1 units
TEAM 116	Basketball: Individual Skill Development	0.5 - 1 units
TEAM 117	Tournament Basketball	0.5 - 1 units
TEAM 132.1	Flag Football I	0.5 - 2 units
TEAM 132.2	Flag Football II	0.5 - 2 units
TEAM 132.3	Flag Football III	0.5 - 2 units
TEAM 132.4	Flag Football IV	0.5 - 2 units
TEAM 141.1	Soccer I	0.5 - 1 units
TEAM 141.2	Soccer II	0.5 - 1 units
TEAM 141.3	Soccer III	0.5 - 1 units

TEAM 141.4	Soccer IV	0.5 - 1 units
TEAM 148.1	Indoor Soccer I	0.5 - 1 units
TEAM 148.2	Indoor Soccer II	0.5 - 1 units
TEAM 148.3	Indoor Soccer III	0.5 - 1 units
TEAM 148.4	Indoor Soccer IV	0.5 - 1 units
TEAM 179	Tournament Volleyball	0.5 - 1 units
TEAM 188	Volleyball Theory: Defense	1.5 - 3 units
TEAM 189	Volleyball Theory: Offense	1.5 - 3 units
TEAM 190	Baseball Theory: Defense	1.5 - 3 units
TEAM 191	Baseball Theory: Offense	1.5 - 3 units
TEAM 192	Men's Basketball Theory: Defense	1.5 - 3 units
TEAM 193	Men's Basketball Theory: Offense	1.5 - 3 units
TEAM 195	Women's Basketball Theory: Offense	1.5 - 3 units
TEAM 196	Men's Soccer Theory: Defense	1.5 - 3 units
TEAM 198	Women's Soccer Theory: Defense	1.5 - 3 units
VARS 100	Varsity Baseball	3 units
VARS 110	Men's Varsity Basketball	1.5 units
VARS 150	Men's Varsity Soccer	3 units
VARS 200	Varsity Wrestling	3 units
VARS 340	Women's Varsity Volleyball	3 units
VARS 350	Women's Varsity Badminton	3 units
VARS 360	Women's Varsity Soccer	3 units
COMB 105.1	Jiu Jitsu I	0.5 - 1 units
COMB 105.2	Jiu Jitsu II	0.5 - 1 units
COMB 105.3	Jiu Jitsu III	0.5 - 1 units

Note: The following pair is the same course:

ECE. 201 and PSYC 201

Total Required Major Units: 18

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

TRANSFER NOTES

1. All courses listed in the six areas of emphasis options are transferable to either the University of California (UC), the California State University (CSU), or both UC and CSU. Courses that are transferable only to CSU are marked with an asterisk (*).
2. All courses may be applied to the appropriate areas of the CSU General Education Breadth and/or the UC General Education (IGETC) patterns (See Transfer Planning section of this catalog).

AA Interdisciplinary Studies: Letters and Science

The Interdisciplinary Studies degree is designed for students who wish to pursue broad areas of knowledge in arts and sciences plus additional knowledge in an "Areas of Emphasis." This degree is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.

Note: A minimum grade of C is required in all courses applied to any area of emphasis in this major.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at their target transfer institution.

Degree Requirements

1. Complete Residency, Scholarship, Basic Competency, Specific Area, and General Education requirements for the Skyline College Associate Degree
1. Meet the Basic Competency requirements in Writing/Reading, Mathematics/Quantitative Reasoning, and Information Literacy



2. Meet the Specific Area requirements in American History and Institutions, English, Physical Education and Ethnic and Cultural Diversity
3. Complete Skyline General Education Requirements
2. Successfully Complete 18 units in **one** of the following areas of emphasis

This area of emphasis integrates the study of the world around us by developing analytical skills needed to understand the physical world and the human beings who occupy it, including the artifacts they produce.

Program Learning Outcomes

Students completing this program will be able to:

1. Apply scientific concepts and principles to explain physical processes in the world.
2. Demonstrate effective communication through written and oral forms, and through other forms as appropriate.

Choose at least 9 units from courses listed below:

Units

ANTH 125	Physical Anthropology	3 units
ANTH 127	Physical Anthropology Laboratory	1 unit
ASTR 100	Introduction to Astronomy	3 units
ASTR 101	Astronomy Laboratory	1 unit
BIOL 101	Our Biological World	4 units
BIOL 110	Principles of Biology	4 units
BIOL 111	Natural History of California	4 units
BIOL 130	Human Biology	3 units
BIOL 140	Animals, People, and Environment	3 units
BIOL 145	Plants, People & Environment	3 units
BIOL 150	Introduction to Marine Biology	3 units
BIOL 215	Organismal Biology: Core I	5 units
BIOL 230	Introduction to Cell Biology: Core II	5 units
BIOL 240	General Microbiology	4 units
BIOL 250	Human Anatomy	4 units
BIOL 260	Human Physiology	5 units
BTEC 170	Principles of Applied Bioscience	3 units
BTEC 171	Laboratory Principles of Applied Bioscience	1 unit
BUS. 120	Mathematical Analysis for Business	3 units
BUS. 123	Statistics	3 units

CHEM 112	Chemistry in Action	4 units
CHEM 210	General Chemistry I	5 units
CHEM 220	General Chemistry II	5 units
CHEM 234	Organic Chemistry I	3 units
CHEM 235	Organic Chemistry II	3 units
CHEM 237	Organic Chemistry Lab I	2 units
CHEM 238	Organic Chemistry Lab II	2 units
CHEM 410	Chemistry for Health Sciences	4 units
ENVS 100	Introduction to Environmental Science	3 units
GEOG 100	Physical Geography	3 units
GEOG 101	Physical Geography Lab	1 unit
GEOL 100	Survey of Geology	3 units
GEOL 105	Environmental Earth Science	3 units
GEOL 210	General Geology	4 units
GEOL 220	Historical Geology	4 units
MATH 130	Trigonometry	4 units
MATH 150	Mathematics for Elementary School Teachers	3 units
MATH 200	Elementary Probability & Statistics	4 units
MATH 201	Math in Society	3 units
MATH 222	Precalculus	5 units
MATH 225	Fast Track to Calculus *	6 units
MATH 241	Applied Calculus I	5 units
MATH 242	Applied Calculus II	3 units
MATH 251	Calculus with Analytic Geometry I	5 units
MATH 252	Calculus with Analytic Geometry II	5 units
MATH 253	Calculus with Analytic Geometry III	5 units
MATH 270	Linear Algebra	3 units
MATH 275	Ordinary Differential Equations	3 units
OCEN 100	Survey of Oceanography	3 units
OCEN 101	Oceanography Laboratory/Field Study	1 unit
PHYS 105	Conceptual Physics	3 units
PHYS 210	General Physics I	4 units
PHYS 220	General Physics II	4 units
PHYS 250	Physics with Calculus I	4 units

PHYS 260	Physics with Calculus II	4 units
PHYS 270	Physics with Calculus III	4 units
PSYC 171	Quantitative Reasoning in Psychology	3 units
PSYC 220	Introduction to Psychobiology	3 units

Choose at least 9 units from courses in this box

		Units
ARBC 111	Elementary Arabic I	3 units
ARBC 112	Elementary Arabic II	3 units
ASL 111	American Sign Language IA	3 units
ASL 112	American Sign Language IB	3 units
CHIN 111	Elementary Chinese I	3 units
CHIN 112	Elementary Chinese II	3 units
ECE. 191 *	Children's Literature	3 units
ENGL 110	Composition, Literature, and Critical Thinking	3 units
ENGL 161	Creative Writing I	3 units
FILI 110	Elementary Filipino	5 units
FILI 111	Elementary Filipino I	3 units
FILI 112	Elementary Filipino II	3 units
FILM 440	Film Study and Appreciation	3 units
HIST 100	History of Western Civilization I	3 units
HIST 101	History of Western Civilization II	3 units
HIST 104	World Civilizations I	3 units
HIST 106	World Civilizations II	3 units
HIST 109	Europe Since 1945	3 units
HIST 203	The United States Since 1945	3 units
HIST 248	Women and The American Experience	3 units
HIST 335	History and Politics of the Middle East	3 units
HIST 420	Survey of Latin American History	3 units
HIST 430	Early Asian Civilizations	3 units
HIST 432	Modern Asian Civilizations	3 units
HIST 435	History of the Philippines	3 units
HIST 453	History of China	3 units
LIT. 101	Contemporary Literature	3 units
LIT. 151	Introduction to Shakespeare	3 units
LIT. 191 *	Children's Literature	3 units

LIT. 251	Women in Literature	3 units
LIT. 265	Asian American Literature	3 units
LIT. 266	Black Literature	3 units
LIT. 267	Filipino American Literature	3 units
LIT. 370	Readings in Literature of the Latino in the United States	3 units
LIT. 432	Folklore	3 units
PHIL 100	Introduction to Philosophy	3 units
PHIL 160	History of Western Philosophy: Ancient and Medieval	3 units
PHIL 175	History of Western Philosophy: 16th - 18th Century	3 units
PHIL 240	Introduction to Ethics	3 units
PHIL 280	Introduction to Political Philosophy	3 units
PHIL 300	Intro to World Religions	3 units
PHIL 312	Introduction to Philosophy of Religion	3 units
PLSC 280	Introduction to Political Philosophy	3 units
PLSC 335	History and Politics of the Middle East	3 units
SOCI 143	Sociology of Migration and Immigration	3 units
SPAN 110	Elementary Spanish	5 units
SPAN 111	Elementary Spanish I	3 units
SPAN 112	Elementary Spanish II	3 units
SPAN 120	Advanced Elementary Spanish	5 units
SPAN 130	Intermediate Spanish	4 units
SPAN 140	Advanced Intermediate Spanish	4 units
SPAN 220	Spanish for Spanish Speakers I	5 units

Note: The following pairs are the same course:

ECE. 191 and LIT. 191

HIST 335 and PLSC 335

PHIL 280 and PLSC 280

OR choose at least 9 units from courses in this box

		Units
ADMJ 100	Introduction to Administration of Justice	3 units
ANTH 110	Cultural Anthropology	3 units

ANTH 150	Introduction to Archaeology: Bones, Beads and the Basics of Material Culture	3 units
ANTH 155	Human Prehistory and the Rise of Civilization	3 units
ANTH 165	Sex and Gender: Cross-Cultural Perspectives	3 units
ANTH 180	Magic, Witchcraft and Religion	3 units
ANTH 360	Native Peoples of North America	3 units
BUS. 100	Introduction to Business	3 units
BUS. 101 *	Human Relations at Work	3 units
IBUS 210 *	International Finance	1.5 units
ECE. 201	Child Development	3 units
ECON 100	Principles of Macro Economics	3 units
ECON 102	Principles of Microeconomics	3 units
ECON 310	Political Economy of Asia	3 units
GEOG 110	Cultural Geography	3 units
GEOG 150	World Regional Geography	3 units
HIST 104	World Civilizations I	3 units
HIST 106	World Civilizations II	3 units
HIST 203	The United States Since 1945	3 units
HIST 248	Women and The American Experience	3 units
HIST 300	History of San Francisco	3 units
HIST 335	History and Politics of the Middle East	3 units
HIST 429	History of Latinos in the United States	3 units
HIST 430	Early Asian Civilizations	3 units
HIST 432	Modern Asian Civilizations	3 units
HIST 435	History of the Philippines	3 units
HIST 436	Filipinos in America	3 units
HIST 453	History of China	3 units
JOUR 110	Mass Media and Society	3 units
PHIL 280	Introduction to Political Philosophy	3 units
PLSC 115	Comparative Government	3 units
PLSC 130	International Relations	3 units
PLSC 150	Intro to Political Theory	3 units

PLSC 200	National, State and Local Government	3 units
PLSC 210	American Politics	3 units
PLSC 280	Introduction to Political Philosophy	3 units
PLSC 335	History and Politics of the Middle East	3 units
PSYC 100	General Psychology	3 units
PSYC 110	Courtship, Marriage and Family	3 units
PSYC 200	Developmental Psychology	3 units
PSYC 201	Child Development	3 units
PSYC 268	Black Psychology	3 units
PSYC 300	Social Psychology	3 units
PSYC 301 *	Psychology of Personal Development	3 units
PSYC 390	Psychology of Consciousness	3 units
PSYC 410	Abnormal Psychology	3 units
SOCI 100	Introduction to Sociology	3 units
SOCI 105	Contemporary Social Issues	3 units
SOCI 110	Courtship, Marriage and Family	3 units
SOCI 141	Race and Ethnicity	3 units
SOCI 142	Filipina/o Community Issues	3 units
SOCI 201	Sociology of Health and Medicine	3 units
SOSC 270	The Civil Rights Movement	3 units

The following pairs are the same course:

ECE. 201 and PSYC 201

HIST 335 and PLSC 335

PHIL 280 and PLSC 280

PSYC 110 and SOCI 110

Total Required Major Units: 18

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

TRANSFER NOTES

1. All courses listed in the six areas of emphasis options are transferable to either the University of California (UC), the California State University (CSU), or both UC and CSU. Courses that are transferable only to CSU are marked with an asterisk (*).
2. All courses may be applied to the appropriate areas of the CSU General Education Breadth and/

or the UC General Education (IGETC) patterns (See Transfer Planning section of this catalog).

AA Interdisciplinary Studies: Social and Behavioral Sciences

The Interdisciplinary Studies degree is designed for students who wish to pursue broad areas of knowledge in arts and sciences plus additional knowledge in an "Areas of Emphasis." This degree is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.

Note: A minimum grade of C is required in all courses applied to any area of emphasis in this major.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at their target transfer institution.

Degree Requirements

1. Complete Residency, Scholarship, Basic Competency, Specific Area, and General Education requirements for the Skyline College Associate Degree
1. Meet the Basic Competency requirements in Writing/Reading, Mathematics/Quantitative Reasoning, and Information Literacy
2. Meet the Specific Area requirements in American History and Institutions, English, Physical Education and Ethnic and Cultural Diversity
3. Complete Skyline General Education Requirements
2. Successfully Complete 18 units in **one** of the following areas of emphasis

This area of emphasis studies the systems and institutions human beings in various cultures develop to organize their lives in both individual and group settings.

Program Learning Outcomes

Students completing this program will be able to:

1. Contrast the human systems and institutions used by different cultures to organize people in individual and group settings.

2. Analyze contemporary ethical or social problems from the perspective of the social or behavioral sciences.

Select a minimum of 18 units from the following:

		Units
ADMJ 100	Introduction to Administration of Justice	3 units
ANTH 110	Cultural Anthropology	3 units
ANTH 127	Physical Anthropology Laboratory	1 unit
ANTH 150	Introduction to Archaeology: Bones, Beads and the Basics of Material Culture	3 units
ANTH 155	Human Prehistory and the Rise of Civilization	3 units
ANTH 165	Sex and Gender: Cross-Cultural Perspectives	3 units
ANTH 180	Magic, Witchcraft and Religion	3 units
ANTH 360	Native Peoples of North America	3 units
BUS. 100	Introduction to Business	3 units
BUS. 101*	Human Relations at Work	3 units
ECE. 201	Child Development	3 units
ECON 100	Principles of Macro Economics	3 units
ECON 102	Principles of Microeconomics	3 units
ECON 310	Political Economy of Asia	3 units
EDUC 200*	Introduction to Classroom Teaching	3 units
ENVS 100	Introduction to Environmental Science	3 units
GEOG 100	Physical Geography	3 units
GEOG 101	Physical Geography Lab	1 unit
GEOG 110	Cultural Geography	3 units
GEOG 150	World Regional Geography	3 units
HIST 104	World Civilizations I	3 units
HIST 106	World Civilizations II	3 units
HIST 108	Survey of American History	3 units
HIST 201	United States History I	3 units
HIST 202	United States History II	3 units
HIST 203	The United States Since 1945	3 units
HIST 235	History of Ethnic Groups in the United States	3 units

HIST 240	History of Ethnic Groups in CALIFORNIA	3 units
HIST 244	African American History	3 units
HIST 248	Women and The American Experience	3 units
HIST 300	History of San Francisco	3 units
HIST 310	California History	3 units
HIST 335	History and Politics of the Middle East	3 units
HIST 420	Survey of Latin American History	3 units
HIST 429	History of Latinos in the United States	3 units
HIST 430	Early Asian Civilizations	3 units
HIST 432	Modern Asian Civilizations	3 units
HIST 435	History of the Philippines	3 units
HIST 436	Filipinos in America	3 units
HIST 453	History of China	3 units
IBUS 200 *	Introduction to International Business	3 units
IBUS 210 *	International Finance	1.5 units
JOUR 110	Mass Media and Society	3 units
PHIL 240	Introduction to Ethics	3 units
PHIL 280	Introduction to Political Philosophy	3 units
PLSC 115	Comparative Government	3 units
PLSC 130	International Relations	3 units
PLSC 150	Intro to Political Theory	3 units
PLSC 200	National, State and Local Government	3 units
PLSC 210	American Politics	3 units
PLSC 280	Introduction to Political Philosophy	3 units
PLSC 301	California State and Local Government	3 units
PLSC 335	History and Politics of the Middle East	3 units
PSYC 100	General Psychology	3 units
PSYC 110	Courtship, Marriage and Family	3 units
PSYC 200	Developmental Psychology	3 units
PSYC 201	Child Development	3 units
PSYC 220	Introduction to Psychobiology	3 units

PSYC 238 *	Arab Cultural Psychology	3 units
PSYC 268	Black Psychology	3 units
PSYC 300	Social Psychology	3 units
PSYC 301 *	Psychology of Personal Development	3 units
PSYC 390	Psychology of Consciousness	3 units
PSYC 410	Abnormal Psychology	3 units
SOCI 100	Introduction to Sociology	3 units
SOCI 105	Contemporary Social Issues	3 units
SOCI 110	Courtship, Marriage and Family	3 units
SOCI 141	Race and Ethnicity	3 units
SOCI 142	Filipina/o Community Issues	3 units
SOCI 143	Sociology of Migration and Immigration	3 units
SOCI 201 *	Sociology of Health and Medicine	3 units
SOSC 270	The Civil Rights Movement	3 units

Note: The following pairs are the same course:

ECE 201 and PSYC 201

HIST 335 and PLSC 335

PHIL 280 and PLSC 280

PSYC 110 and SOCI 110

* Courses that are transferable only to CSU are marked with an asterisk (*).

Total Required Major Units: 18

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

TRANSFER NOTES

1. All courses listed in the six areas of emphasis options are transferable to either the University of California (UC), the California State University (CSU), or both UC and CSU. Courses that are transferable only to CSU are marked with an asterisk (*).
2. All courses may be applied to the appropriate areas of the CSU General Education Breadth and/or the UC General Education (IGETC) patterns (See Transfer Planning section of this catalog).

AA Interdisciplinary Studies: Social and Natural Sciences

The Interdisciplinary Studies degree is designed for students who wish to pursue broad areas of knowledge in arts and sciences plus additional knowledge in an "Areas of Emphasis." This degree is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.

Note: A minimum grade of C is required in all courses applied to any area of emphasis in this major.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at their target transfer institution.

Degree Requirements

1. Complete Residency, Scholarship, Basic Competency, Specific Area, and General Education requirements for the Skyline College Associate Degree
1. Meet the Basic Competency requirements in Writing/Reading, Mathematics/Quantitative Reasoning, and Information Literacy
2. Meet the Specific Area requirements in American History and Institutions, English, Physical Education and Ethnic and Cultural Diversity
3. Complete Skyline General Education Requirements
2. Successfully Complete 18 units in **one** of the following areas of emphasis

This area of emphasis integrates the study and application of scientific methodology from two perspectives, that of the social sciences which consider the human world in several aspects, and that of the natural sciences which consider the world in its physical and biological aspects.

Program Learning Outcomes

Students completing this program will be able to:

1. Explain the major concepts, fundamental principles and basic theories of at least one area of science.
2. Evaluate proposed solutions to contemporary social issues requiring scientific literacy.

Choose at least 9 units from courses listed below:

Units

ANTH 125	Physical Anthropology	3 units
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ANTH 127	Physical Anthropology Laboratory	1 unit
ASTR 100	Introduction To Astronomy	3 units
ASTR 101	Astonomy Laboratory	1 unit
BIOL 101	Our Biological World	4 units
BIOL 110	Principles of Biology	4 units
BIOL 111	Natural History of California	4 units
BIOL 130	Human Biology	3 units
BIOL 140	Animals, People, and Environment	3 units
BIOL 145	Plants, People & Environment	3 units
BIOL 150	Introduction to Marine Biology	3 units
BIOL 215	Organismal Biology: Core I	5 units
BIOL 230	Introduction to Cell Biology: Core II	5 units
BIOL 240	General Microbiology	4 units
BIOL 250	Human Anatomy	4 units
BIOL 260	Human Physiology	5 units
CHEM 112	Chemistry in Action	4 units
CHEM 210	General Chemistry I	5 units
CHEM 220	General Chemistry II	5 units
CHEM 234	Organic Chemistry I	3 units
CHEM 235	Organic Chemistry II	3 units
CHEM 237	Organic Chemistry Lab I	2 units
CHEM 238	Organic Chemistry Lab II	2 units
CHEM 410	Chemistry for Health Sciences *	4 units
ELEC 110	Fundamentals of Electronics *	4 units
GEOG 100	Physical Geography	3 units
GEOG 101	Physical Geography Lab	1 unit
GEOL 100	Survey of Geology	3 units
GEOL 105	Environmental Earth Science	3 units
GEOL 210	General Geology	4 units
GEOL 220	Historical Geology	4 units
OCEN 100	Survey of Oceanography	3 units
PHYS 105	Conceptual Physics	3 units
PHYS 210	General Physics I	4 units
PHYS 220	General Physics II	4 units
PHYS 250	Physics with Calculus I	4 units



PHYS 260	Physics with Calculus II	4 units
PHYS 270	Physics with Calculus III	4 units

Choose at least 9 units from courses listed below:

		Units
ADMJ 100	Introduction to Administration of Justice	3 units
ANTH 110	Cultural Anthropology	3 units
ANTH 125	Physical Anthropology	3 units
ANTH 150	Introduction to Archaeology: Bones, Beads and the Basics of Material Culture	3 units
ANTH 155	Human Prehistory and the Rise of Civilization	3 units
ANTH 165	Sex and Gender: Cross-Cultural Perspectives	3 units
ANTH 180	Magic, Witchcraft and Religion	3 units
ANTH 360	Native Peoples of North America	3 units
BUS. 100	Introduction to Business	3 units
BUS. 101 *	Human Relations at Work	3 units
BUS. 201	Business Law	3 units
ECE. 201	Child Development	3 units
ECE. 212	Child, Family & Community	3 units
ECON 100	Principles of Macro Economics	3 units
ECON 102	Principles of Microeconomics	3 units
ECON 310	Political Economy of Asia	3 units
ENVS 100	Introduction to Environmental Science	3 units
GEOG 110	Cultural Geography	3 units
GEOG 150	World Regional Geography	3 units
HIST 108	Survey of American History	3 units
HIST 201	United States History I	3 units
HIST 202	United States History II	3 units
HIST 203	The United States Since 1945	3 units
HIST 235	History of Ethnic Groups in the United States	3 units
HIST 240	History of Ethnic Groups in CALIFORNIA	3 units
HIST 244	African American History	3 units
HIST 248	Women and The American Experience	3 units

HIST 300	History of San Francisco	3 units
HIST 310	California History	3 units
HIST 420	Survey of Latin American History	3 units
IBUS 200 *	Introduction to International Business	3 units
IBUS 210 *	International Finance	1.5 units
JOUR 110	Mass Media and Society	3 units
PHIL 280 *	Introduction to Political Philosophy	3 units
PLSC 115	Comparative Government	3 units
PLSC 130	International Relations	3 units
PLSC 150	Intro to Political Theory	3 units
PLSC 200	National, State & Local Govt	3 units
PLSC 210	American Politics	3 units
PLSC 280 *	Introduction to Political Philosophy	3 units
PLSC 301 *	California State and Local Government	3 units
PSYC 100	General Psychology	3 units
PSYC 110 *	Courtship, Marriage and Family	3 units
PSYC 200	Developmental Psychology	3 units
PSYC 201	Child Development	3 units
PSYC 220	Introduction to Psychobiology	3 units
PSYC 268	Black Psychology	3 units
PSYC 300	Social Psychology	3 units
PSYC 301 *	Psychology of Personal Development	3 units
PSYC 390	Psychology of Consciousness	3 units
PSYC 410	Abnormal Psychology	3 units
SOCI 100	Introduction to Sociology	3 units
SOCI 105	Contemporary Social Issues	3 units
SOCI 110	Courtship, Marriage and Family	3 units
SOCI 141	Race and Ethnicity	3 units
SOCI 142	Filipina/o Community Issues	3 units
SOCI 143	Sociology of Migration and Immigration	3 units
SOCI 201 *	Sociology of Health and Medicine	3 units
SOSC 270	The Civil Rights Movement	3 units

*Note: The following pairs are the same course:
ECE. 201 and PSYC 201
PHIL 280 and PLSC 280
PSYC 110 and SOCI 110*

Total Required Major Units: 18

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

TRANSFER NOTES

1. All courses listed in the six areas of emphasis options are transferable to either the University of California (UC), the California State University (CSU), or both UC and CSU. Courses that are transferable only to CSU are marked with an asterisk (*).
2. All courses may be applied to the appropriate areas of the CSU General Education Breadth and/ or the UC General Education (IGETC) patterns (See Transfer Planning section of this catalog).

JOURNALISM

AA Associate in Arts Degree Program

Journalism.....60 units

AA-T Associate in Arts Degree for Transfer

Journalism for Transfer..... 60 units

CA Certificate of Achievement

Journalism.....24 units

AA Journalism

The Journalism program seeks to prepare students to enter the workforce in journalism and its related fields (such as public relations and advertising) and to offer job retraining to matriculated students making a career switch or needing to meet the changing technological demands of the field. The program also seeks to prepare students to transfer to four-year institutions as journalism majors and to train students to be media-literate members of the community.

Instruction is supplemented by hands-on experience working for the student newspaper, The Skyline View, a bi-weekly publication. Students also attend local and regional conferences and have opportunities to pursue internships and jobs in the field.

The degree and certificate programs prepare the student for such careers as newspaper and magazine reporting, writing, and editing; technical writing; copyediting; advertising; and public relations.

Note: A grade of C or better is required in all Journalism courses for both the Associate Degree and the Certificate.

Program Learning Outcomes

Students completing this program will be able to:

1. Define how convergence has impacted journalism, particularly print journalism, and identify ways to adapt practices and content to that impact.
2. Effectively communicate information through a variety of platforms, including the Internet and mobile computing.
3. Write publishable articles.

Required Core Courses

Units

JOUR 110	Mass Media and Society	3 units
JOUR 120	Writing and Reporting for the Media	3 units
JOUR 320	Beginning Newspaper Staff	3 units
JOUR 330	Intermediate Newspaper Staff	3 units

Plus a minimum of 12 units from the following:

Units

ART 351	Black and White Photography I	3 units
BCM. 225	Spreadsheets I: Excel	1 unit
BCM. 226	Spreadsheets II: Excel	2 units
ENGL 161	Creative Writing I	3 units
JOUR 121	Advanced Writing and Reporting for the Media	3 units
JOUR 340	Intermediate Advanced Newspaper Staff	3 units
JOUR 350	Advanced Newspaper Staff	3 units
JOUR 695	Independent Study in Journalism	0.5 - 3 units

Total Required Major Units: 24

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



AA-T Journalism for Transfer

Required Core Courses		Units
JOUR 110	Mass Media and Society	3 units
JOUR 120	Writing and Reporting for the Media	3 units
JOUR 320	Beginning Newspaper Staff	3 units

List A - Select one course from the following:		Units
JOUR 121	Advanced Writing and Reporting for the Media	3 units
JOUR 330	Intermediate Newspaper Staff	3 units

List B - Select two courses from the following:		Units
ART 351	Black and White Photography I	3 units
COMM 127	Argumentation and Debate	3 units
ECON 100	Principles of Macro Economics	3 units
OR		
ECON 102	Principles of Microeconomics	3 units
ENGL 165	Critical Thinking and Advanced Composition	3 units
MATH 200	Elementary Probability & Statistics	4 units
PHIL 200	Introduction to Logic	3 units
PLSC 115	Comparative Government	3 units
PLSC 210	American Politics	3 units

Total Required Major Units: 18 - 19

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

A total of 6-9 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline Associate Degree Requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

CA Journalism

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
JOUR 110	Mass Media and Society	3 units
JOUR 120	Writing and Reporting for the Media	3 units
JOUR 320	Beginning Newspaper Staff	3 units
JOUR 330	Intermediate Newspaper Staff	3 units

Plus a minimum of 12 units from the following:		Units
ART 351	Black and White Photography I	3 units
BCM. 225	Spreadsheets I: Excel	1 unit
BCM. 226	Spreadsheets II: Excel	2 units
ENGL 161	Creative Writing I	3 units
JOUR 121	Advanced Writing and Reporting for the Media	3 units
JOUR 340	Intermediate Advanced Newspaper Staff	3 units
JOUR 350	Advanced Newspaper Staff	3 units
JOUR 695	Independent Study in Journalism	0.5 - 3 units

Total Required Units: 24

KINESIOLOGY

AA-T Associate in Arts Degree for Transfer

Kinesiology for Transfer.....60 units

AA-T Kinesiology for Transfer

The Associate in Arts in Kinesiology for Transfer degree (AA-T) prepares students for careers in fitness and

health-related fields. Course topics include basic human anatomy and physiology, the field of kinesiology and its sub-disciplines, socio-cultural and historical influences and impacts of kinesiology, athletic injury care, and nutrition. Courses offered are transferable as lower division coursework toward a bachelor's degree in Kinesiology. Upon completion of the degree, students will have a solid foundation of knowledge upon which to build in their selected sub-discipline of Kinesiology.

The Associate in Arts Degree for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

Career Opportunities

The Associate in Arts in Kinesiology for Transfer degree (AA-T) prepares students for careers in fitness and health-related fields.

Program Learning Outcomes

Students completing this program will be able to:

1. Critically analyze anatomical and physiological factors in the development of exercise prescription, prevention and rehabilitation designed to meet individual goals and circumstances.
2. Identify career and / or educational options in Kinesiology and formulate an action plan to successfully pursue and attain those options.
3. Describe the historical, social and psychological aspects of activity and sport in the context of society.
4. Demonstrate competence, through participation in distinct areas of activity, in the skills and principles of the activity and its relation to personal, social, intellectual and emotional development.

Complete the following courses (15 units - See below):

Required Core Courses

Group A (12 units):		Units
KINE 100	Introduction to Kinesiology	3 units
BIOL 250	Human Anatomy	4 units
BIOL 260	Human Physiology	5 units

Select 3 units from the following with a maximum of one (1) unit from any one area: Combatives, Dance, Fitness, Individual Sports and Team Sports

Group B (3 units): Movement Based Courses

		Units
Combatives		
COMB 301	Beginning Wrestling	1 unit
COMB 302	Intermediate Wrestling	1 unit
COMB 401.1	Self Defense I	1 unit
COMB 401.2	Self Defense II	1 unit
COMB 401.3	Self Defense III	1 unit
COMB 401.4	Self Defense IV	1 unit
Dance		
DANC 121.1	Contemporary Modern Dance I	1 unit
DANC 121.2	Contemporary Modern Dance II	1 unit
DANC 121.3	Contemporary Modern Dance III	1 unit
DANC 121.4	Contemporary Modern Dance IV	1 unit
DANC 130.1	Jazz Dance I: Lyrical, Pop & Broadway	1 unit
DANC 130.2	Jazz Dance II - Lyrical, Pop and Broadway	1 unit
DANC 130.3	Jazz Dance III - Lyrical, Pop and Broadway	1 unit
DANC 130.4	Jazz Dance IV - Lyrical, Pop and Broadway	1 unit
DANC 140.1	Ballet I	1 unit
DANC 140.2	Ballet II	1 unit
DANC 140.3	Ballet III	1 unit
DANC 140.4	Ballet IV	1 unit
DANC 152.1	Cuban Salsa I	1 unit

DANC 152.2	Cuban Salsa II	1 unit
DANC 152.3	Cuban Salsa III	1 unit
DANC 152.4	Cuban Salsa IV	1 unit
DANC 161	Tango Argentino	1 unit
DANC 162	Tango Milonga	1 unit
DANC 163	Tango Buenos Aires	1 unit
DANC 164	Tango De La Confiteria	1 unit
DANC 350.1	Cardio Dance I	1 unit
DANC 350.2	Cardio Dance II	1 unit
DANC 350.3	Cardio Dance III	1 unit
DANC 350.4	Cardio Dance IV	1 unit
Fitness		
FITN 116.1	Body Conditioning I	1 unit
FITN 116.2	Body Conditioning II	1 unit
FITN 116.3	Body Conditioning III	1 unit
FITN 116.4	Body Conditioning IV	1 unit
FITN 201.1	Weight Training I	1 unit
FITN 201.2	Weight Training II	1 unit
FITN 201.3	Weight Training III	1 unit
FITN 201.4	Weight Training IV	1 unit
FITN 314.1	Backpacking for Fitness I	1 unit
FITN 314.2	Backpacking for Fitness II	1 unit
FITN 314.3	Backpacking for Fitness III	1 unit
FITN 314.4	Backpacking for Fitness IV	1 unit
FITN 334.1	Yoga I	1 unit

FITN 334.2	Yoga II	1 unit
FITN 334.3	Yoga III	1 unit
FITN 334.4	Yoga IV	1 unit
FITN 335.1	Pilates I	1 unit
FITN 335.2	Pilates II	1 unit
FITN 335.3	Pilates III	1 unit
FITN 335.4	Pilates IV	1 unit
Individual Sports		
INDV 101.1	Archery I	1 unit
INDV 101.2	Archery II	1 unit
INDV 101.3	Archery III	1 unit
INDV 101.4	Archery IV	1 unit
INDV 121.1	Badminton I	1 unit
INDV 121.2	Badminton II	1 unit
INDV 121.3	Badminton III	1 unit
INDV 121.4	Badminton IV	1 unit
INDV 126	Coed Club Badminton	1 unit
INDV 160.1	Golf I	1 unit
INDV 160.2	Golf II	1 unit
INDV 160.3	Golf III	1 unit
INDV 160.4	Golf IV	1 unit
INDV 251.1	Tennis I	1 unit
INDV 251.2	Tennis II	1 unit
INDV 251.3	Tennis III	1 unit

INDV 251.4	Tennis IV	1 unit
Team Sports		
TEAM 111.1	Basketball I	1 unit
TEAM 111.2	Basketball II	1 unit
TEAM 111.3	Basketball III	1 unit
TEAM 111.4	Basketball IV	1 unit
TEAM 132.1	Flag Football I	1 unit
TEAM 132.2	Flag Football II	1 unit
TEAM 132.3	Flag Football III	1 unit
TEAM 132.4	Flag Football IV	1 unit
TEAM 141.1	Soccer I	1 unit
TEAM 141.2	Soccer II	1 unit
TEAM 141.3	Soccer III	1 unit
TEAM 141.4	Soccer IV	1 unit
TEAM 148.1	Indoor Soccer I	1 unit
TEAM 148.2	Indoor Soccer II	1 unit
TEAM 148.3	Indoor Soccer III	1 unit
TEAM 148.4	Indoor Soccer IV	1 unit

List A (select two): 7-9 units

Required Electives		Units
MATH 200	Elem Probability & Statistics	4 units
BIOL 130	Human Biology	3 units
CHEM 410	Chemistry for Health Sciences	4 units
OR		
CHEM 210	General Chemistry I	5 units
PHYS 210	General Physics I	4 units

Total Required Major Units: 22 - 24

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of **7-10** major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline Associate Degree Requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

MASSAGE THERAPY

CA Certificate of Achievement

Massage Therapy..... 32 - 38 units

CA Massage Therapy

This Certificate of Achievement in Massage Therapy, which can be completed in two semesters, is designed to provide students and professionals alike with the well-rounded entry level knowledge, skills, and academic depth necessary for massage therapy positions in a variety of settings. Through completion of this 600-hour program, students will have met the minimum 500 hours of training and practice required to be eligible to take the MBLEx (Massage and Bodywork Licensing Exam), which upon passing, allows students to apply for candidacy to attain certification through the California Massage Therapy Council (CAMTC). Students can further pursue areas of interest and specialization for advanced certificates associated with holistic, complementary, alternative and integrative medicine in a variety of therapies and modalities.

Skyline College is CAMTC approved #SCH0120.

Attendance and/or graduation from a California Massage Therapy Council approved school does not guarantee certification by CAMTC. Applicants for certification shall meet all requirements as listed in California Business and Professions Code section 4600 et. seq. For more

information or further questions please contact California Massage Therapy Council at One Capitol Mall, Suite 800, Sacramento, CA 95814, www.camtc.org, phone (916) 669-5336, or fax (916) 669-5337.

An example of possible courses offered in sequence for full time (part time modified course sequence is also available):

- *Fall semester:* WELL 700, WELL 703, WELL 704, WELL 725, Electives
- *Spring semester:* WELL 705, WELL 708, WELL 710, WELL 711, WELL 740, Electives

Career Opportunities

Day Spa, Physical Therapy Offices, Chiropractic Offices, Pain Management Clinics, Salons, Athletic Clubs, Resorts, Medical Spas, Wellness Centers, Integrative Medicine Centers, Private Practice, Acupuncture Offices, Sports Medicine Clinics, Orthopedic Offices, Athletic Teams, Naturopathic Clinics, Entertainment Industry, Yoga Retreat Centers, Cruise Ships, Hospitals, Assisted Living and Nursing Homes

Program Learning Outcomes

Students completing this program will be able to:

1. Competently articulate knowledge and functional application of anatomy, physiology, pathology and kinesiology.
2. Demonstrate professional standards, scope of practice, ethics, boundaries, business and legal practices in the massage profession.
3. Demonstrate proficiency of massage client intakes, assessments, treatment strategies and implementation of massage techniques.
4. Differentiate the history, definition, and scope of massage therapy and its pivotal role in Complementary, Alternative and Integrative Medicine.

For gainful employment information, see this program's [gainful employment website](#).

Required Courses:	Units
WELL 700 Massage Theory and Practice I	3.5 units
WELL 703 Holistic Health Science	4 units
WELL 704 Massage Techniques and Clinical/Spa Experience	3.5 units
WELL 705 Massage Theory and Practice II	3.5 units
WELL 708 Pathology and Pharmacology for Massage Therapists	2 units

WELL 710 Clinical Kinesiology and Applied Biomechanics for Manual Therapy	3 units
WELL 711 Sports Medicine and Manual Therapy	3.5 units
WELL 713 Asian Bodywork Traditions Theory and Practice	1 unit
WELL 725 Introduction to Consciousness, Intent and Meditation	3 units
WELL 740 Conscious Eating: A Sustainable Approach to Health and Healing	2 units

Select 3-9 units from the following:

Units

WELL 706 Introduction to Reflexology	1 unit
WELL 707 Foundations of Aromatherapy and Essential Oils	2 units
WELL 713 Asian Bodywork Traditions Theory and Practice	1 unit
WELL 714 Massage Therapy Exam Preparation	2 units
WELL 715 Integrated Massage and Manual Therapy Techniques	3 units
WELL 717 Oncology Massage	2 units
WELL 718 Stress Management Techniques for Health and Wellness	3 units
WELL 721 Foundations of Ayurvedic and Chinese Medicine Theory	3 units
WELL 723 Ayurvedic Aromatherapy	1 unit
WELL 730 Global Perspectives of Meditation	3 units
WELL 731 Introduction to Sound Healing	1 unit
WELL 732 Introduction to Qigong/Qi Gong	0.5 units
WELL 733 Tai Chi for Health	1 unit
WELL 742 Herbal/Botanical Medicine and Ethnobotany	3 units

Total Required Units: 32 - 38

MATHEMATICS

AA Associate in Arts Degree Program

Mathematics..... 60 units

AS-T Associate in Science Degree for Transfer

Mathematics for Transfer..... 60 units

AA Mathematics**Program Learning Outcomes**

Students completing this program will be able to:

1. Analyze multiple representations of quantitative information, including graphical, formulaic, numerical and verbal.
2. Demonstrate problem-solving skills. Interpret the meaning of numerical answers.
3. Use methods of logic to support a claim using data, formulas and mathematical reasoning.

Required Core Courses**Select 18 units from the following: Units**

MATH 251	Calculus with Analytic Geometry I	5 units
MATH 252	Calculus with Analytic Geometry II	5 units
MATH 253	Calculus with Analytic Geometry III	5 units
MATH 270	Linear Algebra	3 units
MATH 275	Ordinary Differential Equations	3 units

Plus 3 units in Computer Programming: Units

COMP 155	Computer Programming Visual Basic	3 units
COMP 250	Programming Methods I: C++	3 units
COMP 252	Data Structures: C++	3 units
COMP 284	Introduction to Object-Oriented Programming: Java	3 units
COMP 286	Data Structures: Java	3 units

Plus at least 3 units from the following: Units

MATH 200	Elementary Probability & Statistics	4 units
MATH 201	Math in Society	3 units
MATH 270	Linear Algebra	3 units
MATH 275	Ordinary Differential Equations	3 units
PHYS 250	Physics with Calculus I	4 units

PHYS 260	Physics with Calculus II	4 units
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Total Required Major Units: 24**And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.****AS-T Mathematics for Transfer**

This degree is intended for students who are interested in transferring to a California State University (CSU) campus with a major in Mathematics.

The Associate in Science Degree for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an AS-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Program Learning Outcomes

Students completing this program will be able to:

1. Analyze multiple representations of quantitative information, including graphical, formulaic, numerical and verbal.
2. Demonstrate problem-solving skills. Interpret the meaning of numerical answers.
3. Use methods of logic to support a claim using data, formulas and mathematical reasoning.

Required Core Courses Units

MATH 251	Calculus with Analytic Geometry I	5 units
MATH 252	Calculus with Analytic Geometry II	5 units
MATH 253	Calculus with Analytic Geometry III	5 units



List A: Select one course from the following:

	Units
MATH 270 Linear Algebra	3 units
MATH 275 Ordinary Differential Equations	3 units

List B: Select one additional course from the following:

	Units
MATH 200 Elementary Probability & Statistics	4 units
MATH 270 Linear Algebra	3 units
MATH 275 Ordinary Differential Equations	3 units
PHYS 250 Physics with Calculus I	4 units

Total Required Major Units: 21 - 22

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

A total of 9 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline Associate Degree Requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

MUSIC

AA Associate in Arts Degree Program

Music..... 60 units

AA-T Associate in Arts Degree for Transfer

Music for Transfer..... 60 units

AA Music

The Associate of Arts Degree in Music provides technical and artistic foundations to students interested in pursuing careers in music and music-related fields. In addition to basic courses in reading and writing music, students gain beginning performance skills through class instruction on an instrument (or voice) and as part of a music ensemble. Studies in the aesthetic and historical traditions of various music cultures provide students with an introductory knowledge of the roles and functions of music in society. This degree can also serve as the preparation for additional music studies or degrees (such as the AA-T in Music) for students wishing to transfer to a baccalaureate degree program as a music major.

Career Opportunities

Possible eventual careers may include music performer, music composer or arranger, music conductor or director, music educator or researcher, arts administrator (for schools, performing organizations, or media outlets), music journalist, musician manager or promoter, music event manager or producer, music retailer, live audio or recorded music producer or technician, DJ, music copyist or engraver, music publisher, instrument builder or tuner, and music law specialist (such as entertainment or copyright lawyer and music licensing consultant).

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate technical fluency, artistic growth, and personal enrichment in musical performance on a given instrument and/or voice in a solo and/or ensemble context along with an introductory keyboard proficiency.
2. Analyze and interpret common elements and underlying structures of Western music and use these components to compose music, sight-read music, and/or notate music upon listening.
3. Distinguish a range of music cultures through recognition of the scope, variety, structure, and form of musical works from these cultures, awareness of historical and social contexts of these cultures, and ability to respond critically to musical works in these cultures by articulating an informed personal reaction.

Required Core Courses

	Units
MUS. 100 Fundamentals of Music	3 units
OR	
MUS. 107 Music Theory III	3 units
MUS. 105 Music Theory I	3 units
MUS. 106 Music Theory II	3 units

MUS. 111	Musicianship I	1 unit
MUS. 112	Musicianship II	1 unit
MUS. 301	Piano I	2 units
OR		
MUS. 205	History, Theory and Practice: Piano and the Keyboard	3 units

Select 3 units from the following: Units

MUS. 115	Music, Art and Ideas	3 units
MUS. 202	Music Appreciation	3 units
MUS. 204	Music History	3 units

Select 3 units from the following: Units

MUS. 250	World Music	3 units
MUS. 275	History of Jazz	3 units
MUS. 276	Hip Hop: Culture and Politics	3 units
MUS. 290	Introduction to MIDI Music (Musical Instrument Digital Interface)	3 units
MUS. 277	African American Music	3 units

Select 4 units from the following: Units

MUS. 302	Piano II	2 units
MUS. 303	Piano III	2 units
MUS. 304	Piano IV	2 units
MUS. 355	Violin/Viola I	2 units
MUS. 356	Violin/Viola II	2 units
MUS. 357	Violin/Viola III	2 units
MUS. 358	Violin/Viola IV	2 units
MUS. 377	Guitar I	2 units
MUS. 378	Guitar II	2 units
MUS. 379	Guitar III	2 units
MUS. 380	Guitar IV	2 units
MUS. 401	Voice I	2 units
MUS. 402	Voice II	2 units
MUS. 403	Voice III	2 units
MUS. 404	Voice IV	2 units

Select 4 units from the following: Units

MUS. 383.1	Guitar Ensemble I	1 unit
MUS. 383.2	Guitar Ensemble II	1 unit
MUS. 383.3	Guitar Ensemble III	1 unit
MUS. 383.4	Guitar Ensemble IV	1 unit
MUS. 410.1	Voice for the Musical Theater Production I	2 units
MUS. 410.2	Voice for the Musical Theater Production II	2 units
MUS. 410.3	Voice for the Musical Theater Production III	2 units
MUS. 410.4	Voice for the Musical Theater Production IV	2 units
MUS. 420.1	Orchestra for the Musical Theater Production I	2 units
MUS. 420.2	Orchestra for the Musical Theater Production II	2 units
MUS. 420.3	Orchestra for the Musical Theater Production III	2 units
MUS. 420.4	Orchestra for the Musical Theater Production IV	2 units
MUS. 430.1	Concert Band I	1 unit
MUS. 430.2	Concert Band II	1 unit
MUS. 430.3	Concert Band III	1 unit
MUS. 430.4	Concert Band IV	1 unit
MUS. 440.1	Symphony Orchestra I	1 unit
MUS. 440.2	Symphony Orchestra II	1 unit
MUS. 440.3	Symphony Orchestra III	1 unit
MUS. 440.4	Symphony Orchestra IV	1 unit
MUS. 450.1	Jazz Band I	1 unit
MUS. 450.2	Jazz Band II	1 unit

MUS. 450.3	Jazz Band III	1 unit
MUS. 450.4	Jazz Band IV	1 unit
MUS. 470.1	Concert Choir I	1 unit
MUS. 470.2	Concert Choir II	1 unit
MUS. 470.3	Concert Choir III	1 unit
MUS. 470.4	Concert Choir IV	1 unit
MUS. 485.1	Vocal Jazz Ensemble I	1 unit
MUS. 485.2	Vocal Jazz Ensemble II	1 unit
MUS. 485.3	Vocal Jazz Ensemble III	1 unit
MUS. 485.4	Vocal Jazz Ensemble IV	1 unit

Total Required Major Units: 27 - 28

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

AA-T Music for Transfer

The courses of the Music Department are specifically designed to fill the needs of beginners in music, those who are seeking a career in the music business, those who are preparing to transfer to a university, those who want to teach music, and those who simply want to enhance their musical enjoyment. Students may be asked to audition or test for placement in sequential courses.

The Associate in Arts in Music for Transfer is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an Associate in Arts in Music for Transfer are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the Associate in Arts in Music for Transfer will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

The Skyline College Associate in Arts in Music for Transfer is designed to facilitate successful transfer to baccalaureate music degree programs at a CSU. This degree provides students with the lower division coursework to transfer to a B.A. or B.M. in music.

To earn an AA-T degree, students must meet the following requirements:

1. Complete a minimum of 60 CSU transferable units;
2. Earn a minimum grade point average (GPA) of at least a 2.0 in all CSU transferable coursework;
3. Complete a minimum of 18 units in an "AA-T" major. Note: All courses in the major must be completed with a grade of "C" or better. A "P" (Pass) grade is not an acceptable grade for the courses in the major.
4. Completion of the California State University General Education-Breadth (CSU GE Breadth) or the Intersegmental General Education Curriculum (IGETC) pattern.

Note: For further information, please consult a Skyline College counselor.

Career Opportunities

This degree is designed to prepare students to demonstrate competence and discipline in the study of music in all of its facets, read and audiate music, and demonstrate proficiency in ensemble skills and solo performance skills. While a baccalaureate degree is recommended for a possible career in music performance, music education, music production, and music business, completion of this curriculum will demonstrate commitment to the serious study of Music in practice and in theory, and provide comprehensive preparation for upper-division work.

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate basic technical fluency, artistic growth, and personal enrichment in musical performance on a given instrument and/or voice in a solo and/or ensemble context along with an introductory keyboard proficiency.
2. Demonstrate an understanding of common elements and underlying structures of Western music through written composition and analysis as well as sight-reading and dictation.
3. Demonstrate an acquaintance with a range of music cultures through an awareness of the scope, variety, structure, and form of the works in these cultures, a basic understanding of the historical and social contexts of these cultures, and the ability to respond critically to musical works in

these cultures by articulating an informed personal reaction.

Required Core Courses:

		Units
MUS. 105 *	Music Theory I	3 units
MUS. 106	Music Theory II	3 units
MUS. 107	Music Theory III	3 units
MUS. 108	Music Theory IV	3 units
MUS. 111	Musicianship I	1 unit
MUS. 112	Musicianship II	1 unit
MUS. 113	Musicianship III	1 unit
MUS. 114	Musicianship IV	1 unit
MUS. 501	Studio Lessons I (Applied Music I)	1 unit
MUS. 502	Studio Lessons II (Applied Music II)	1 unit
MUS. 503	Studio Lessons III (Applied Music III)	1 unit
MUS. 504	Studio Lessons IV (Applied Music IV)	1 unit

List A - Select four units from the following:

		Units
MUS. 430.1	Concert Band I	1 unit
MUS. 430.2	Concert Band II	1 unit
MUS. 430.3	Concert Band III	1 unit
MUS. 430.4	Concert Band IV	1 unit
MUS. 450.1	Jazz Band I	1 unit
MUS. 450.2	Jazz Band II	1 unit
MUS. 450.3	Jazz Band III	1 unit
MUS. 450.4	Jazz Band IV	1 unit
MUS. 470.1	Concert Choir I	1 unit
MUS. 470.2	Concert Choir II	1 unit

MUS. 470.3	Concert Choir III	1 unit
MUS. 470.4	Concert Choir IV	1 unit

Total Required Major Units: 24

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

* MUS. 105 will be double-counted for CSU GE Area C1.

Students must use the CSU General Education pattern for the Associate in Arts in Music for Transfer. The IGETC pattern is not an option. This degree does **not** require the Skyline College Associate Degree requirements.

NOTE: Most university Music departments require basic piano proficiency.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

NETWORK ENGINEERING TECHNOLOGIES

AS Associate in Science Degree Program

Network Engineering.....60 units

CA Certificate of Achievement

Network Engineering.....37 units

CS Certificate of Specialization: Not Transcript Reported

Advanced Computer User Support..... 15 units

CC Career Certificate

Entry Level Computer User Support..... 10 units

Wiring and Installation..... 10 units



AS Network Engineering

The Network Engineering Program prepares graduates to enter the workforce as a PC Support Specialist, entry level Networks System Administrator, and its related fields. A Certificate of Completion and Associate of Science Degree are available. The program's focus is on direct employment skills and knowledge as a foundation in small to medium scale network infrastructure. Students will design, implement, manage and troubleshoot current industry equipment in real world scenario. The Certificate of Achievement and Degree are focused on developing entry-level careers and updating existing careers.

Career Opportunities

Completion of this Associate Degree will provide students with the knowledge and skills to analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system, and to perform network maintenance to ensure networks operate correctly with minimal interruption. Jobs include Network Support Technician and Computer Network Support Specialist.

Program Learning Outcomes

Students completing this program will be able to:

1. Develop the skills and knowledge required for entry level positions within the networking technology field and related fields.
2. Expand their skills and knowledge for possible advancement within their field for those currently employed in the industry.
3. Obtain Information Technology industry-recognized certifications.

Required Core Courses		Units
ELEC 110	Fundamentals of Electronics	4 units
NETX 400	Introduction to Local Area Network	3 units
NETX 420	PC Configuration and Repair	6 units
NETX 430	Introduction to Routers	3 units
NETX 431	Network Switches - Concepts and Applications	3 units
NETX 432	Routing Concepts and Applications	3 units
NETX 435	Network Security	3 units
NETX 439	Troubleshooting the Internetwork	3 units
NETX 440	Introduction to Microsoft Server Administration	3 units

Plus a minimum of 6 units from the following:

		Units
NETX 401	Survey of Networking and Wireless Technologies	3 units
NETX 410	Structured Wiring and Cabling	3 units
NETX 411	Fiber Optics Technology	3 units
NETX 413	Wireless Local Area Networks	3 units
NETX 421	A+ Certification Exam Prep	2 units
NETX 423	Mobile Device Connectivity Support	2 units
NETX 443	Introduction to Linux Administration	3.5 units
NETX 450	Voice Over IP (VoIP) Essentials	3 units

Total Required Major Units: 37

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

CA Network Engineering

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
ELEC 110	Fundamentals of Electronics	4 units
NETX 400	Introduction to Local Area Network	3 units
NETX 420	PC Configuration and Repair	6 units
NETX 430	Introduction to Routers	3 units
NETX 431	Network Switches - Concepts and Applications	3 units
NETX 432	Routing Concepts and Applications	3 units
NETX 435	Network Security	3 units
NETX 439	Troubleshooting the Internetwork	3 units
NETX 440	Introduction to Microsoft Server Administration	3 units

Plus a minimum of 6 units from the following:

		Units
NETX 401	Survey of Networking and Wireless Technologies	3 units
NETX 410	Structured Wiring and Cabling	3 units
NETX 411	Fiber Optics Technology	3 units
NETX 413	Wireless Local Area Networks	3 units
NETX 421	A+ Certification Exam Prep	2 units
NETX 423	Mobile Device Connectivity Support	2 units
NETX 443	Introduction to Linux Administration	3.5 units
NETX 450	Voice Over IP (VoIP) Essentials	3 units

Total Required Units: 37

CS Advanced Computer User Support

This endorsement provides an opportunity for short term study. It is verification that students have achieved a specific level of competency in a selected area of entry-level employment. Students may achieve this endorsement on their own or while completing their studies for degrees or certificates.

Career Opportunities

Completion of this certificate will provide students with advanced skills in supporting end users of computer hardware, software, and services, including printing, software installation, e-mail, operating systems and basic networking. Jobs include Help Desk, IT Technician, and Computer Support Technician.

Program Learning Outcomes

Students completing this program will be able to:

1. Install and troubleshoot data cabling systems, network distribution panels, and hybrid premises cabling systems.
2. Build, troubleshoot and repair a server-administrated LAN using industry accepted methodology and tools

3. Upgrade and troubleshoot computer hardware and software

Required Courses

		Units
NETX 400	Introduction to Local Area Network	3 units
NETX 410	Structured Wiring and Cabling	3 units
NETX 420	PC Configuration and Repair	6 units
NETX 440	Introduction to Microsoft Server Administration	3 units

Total Required Units: 15

CC Entry Level Computer User Support

This endorsement provides an opportunity for short term study. It is verification that students have achieved a specific level of competency in a selected area of entry-level employment. Students may achieve this endorsement on their own or while completing their studies for degrees or certificates.

Career Opportunities

Completion of this certificate will provide students with fundamental skills in understanding and troubleshooting hardware and software configurations of computers. Employment opportunities include Computer Hardware Technician, Entry Level Help Desk Support, and Computer Retail Sales.

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate skills to troubleshoot, configure, and repair personal computers.
2. Assemble and troubleshoot simple series and parallel circuits, using standard tools and test equipment, while obeying recognized work safety guidelines.
3. Pass written exams covering theory and practice similar to the A+ certification

Required Courses

		Units
ELEC 110	Fundamentals of Electronics	4 units
NETX 420	PC Configuration and Repair	6 units

Total Required Units: 10

CC Wiring and Installation

This endorsement provides an opportunity for short term study. It is verification that students have achieved a specific level of competency in a selected area of entry-level employment. Students may achieve this endorsement on their own or while completing their studies for degrees or certificates.

Career Opportunities

Completion of this certificate will provide students with basic skills in the planning, installation, and troubleshooting of copper and fiber data and network cabling systems. Jobs include Premises Cabling Technician, Fiber Optics Technician, and Telecommunications Equipment Installers.

Program Learning Outcomes

Students completing this program will be able to:

1. Assemble and troubleshoot simple series and parallel circuits, using standard tools and test equipment, while obeying recognized work safety guidelines.
2. Install, test, and troubleshoot structured copper cabling systems for network data, PoE, and hybrid network infrastructures.
3. Test, troubleshoot and repair fiber optic systems using industry standard tools

Required Courses	Units
ELEC 110 Fundamentals of Electronics	4 units
NETX 410 Structured Wiring and Cabling	3 units
NETX 411 Fiber Optics Technology	3 units

Total Required Units: 10

PARALEGAL STUDIES

AA Associate in Arts Degree Program

Paralegal, Legal Assistant..... 60 units

CA Certificate of Achievement

Paralegal, Legal Assistant..... 27 units

AA Paralegal, Legal Assistant

The Paralegal, Legal Assistant Associate's Degree and Paralegal, Legal Assistant Certificate programs prepare students for careers as paralegals, legal assistants, and legal support professionals.

Certification Eligibility Requirements: Paralegal Studies Program. In adherence with the American Bar Association's *Guidelines for the Approval of Paralegal Education Programs*, to earn a Certificate or an Associate of Arts in Paralegal Studies, all students must take at least ten semester credits of legal specialty courses through traditional classroom instruction at Skyline College. This requirement applies to all students including those seeking to transfer credits from another institution. For more information, visit: <http://www.americanbar.org/groups/paralegals.html>.

Career Opportunities

The Paralegal Studies degree and certificate provide career opportunities for paralegals, legal secretaries, legal assistants, and all other legal support professionals.

Program Learning Outcomes

Students completing this program will be able to:

1. Identify, explain, and give examples of key elements of U.S. law, legal systems, ethical considerations, and/or professional procedures.
2. Effectively perform legal skills such as research, use of technology, information literacy, communication, and critical thinking.
3. Demonstrate an understanding of and ability to adhere to ethical expectations for paralegals.

Required Core Courses	Units
LEGL 240 Introduction to Law	3 units
LEGL 245 Paralegal Profession I	3 units
LEGL 247 Paralegal Profession II	3 units
LEGL 250 Legal Research, Writing, and Analysis I	3 units
LEGL 252 Civil Litigation I	3 units
LEGL 354 Civil Litigation II	3 units
LEGL 430 Law Office Technology	3 units
LEGL 290 Community Legal Services Clinic	3 units
OR	
LEGL 670 Paralegal Internship	3 units
OR	
COOP 670 Vocational Cooperative Education	3 units

Plus a selection of 3 units from the following approved electives:

		Units
LEGL 260	Legal Research, Writing, and Analysis II	3 units
LEGL 275	Constitutional Law, Civil Rights, and Civil Liberties	3 units
LEGL 304	Concepts of Criminal Law	3 units
LEGL 306	Legal Aspects of Evidence	3 units
LGST 200	Restorative Justice	3 units

Total Required Major Units: 27

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

CA Paralegal, Legal Assistant

For gainful employment information, see this program's [gainful employment website](#).

Required Courses **Units**

LEGL 240	Introduction to Law	3 units
LEGL 245	Paralegal Profession I	3 units
LEGL 247	Paralegal Profession II	3 units
LEGL 250	Legal Research, Writing, and Analysis I	3 units
LEGL 252	Civil Litigation I	3 units
LEGL 354	Civil Litigation II	3 units
LEGL 430	Law Office Technology	3 units
LEGL 290	Community Legal Services Clinic	3 units
OR		
LEGL 670	Paralegal Internship	3 units
OR		
COOP 670	Vocational Cooperative Education	3 units

Plus a selection of 3 units from the following:

		Units
LEGL 260	Legal Research, Writing, and Analysis II	3 units
LEGL 275	Constitutional Law, Civil Rights, and Civil Liberties	3 units
LEGL 304	Concepts of Criminal Law	3 units

LEGL 306	Legal Aspects of Evidence	3 units
LGST 200	Restorative Justice	3 units

Total Required Units: 27

PHILOSOPHY

AA-T Associate in Arts Degree for Transfer

Philosophy for Transfer..... 60 units

AA-T Philosophy for Transfer

The Associate in Arts in Philosophy for Transfer (AA-T) from Skyline College prepares students for transfer into the CSU system to obtain a degree in Philosophy or a related major. Philosophy degrees are often preparation for post-graduate studies in Philosophy, Law, and other disciplines. The study of Philosophy develops a well-rounded appreciation of the history of ideas and the rich tapestry of intellectual traditions from various cultures, and it provides excellent training in argument analysis and critical thinking.

The Associate in Arts degree for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in Philosophy or a related discipline at a CSU campus. Students completing the AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

Career Opportunities

Students who graduate with B.A. degrees in Philosophy typically go on to enroll in Masters/PhD programs in Philosophy or other academic programs. It is not uncommon for Philosophy majors to transfer to a Law school. Common pathways lead to careers in education, law, information technology, technical writing, marketing, and journalism.

Program Learning Outcomes

Students completing this program will be able to:



1. Demonstrate familiarity with the history of philosophical thought and contemporary currents in the discipline.
2. Assess influential claims and theories in the philosophical tradition using rigorous methods of critical thinking and logic.
3. Compose reasoned essays that respond to philosophical problems or that apply philosophical theory to contemporary issues.

Required Core: 3 units**Units**

PHIL 100	Introduction to Philosophy May be taken as PHIL 100 Honors	3 units
OR		
PHIL 240	Introduction to Ethics May be taken as PHIL 240 Honors	3 units

Required Core: 3 units**Units**

PHIL 103	Critical Thinking Students are advised that most transfer institutions will require Symbolic Logic (PHIL 200) for the major.	3 units
OR		
PHIL 200	Introduction to Logic Students are advised that most transfer institutions will require Symbolic Logic (PHIL 200) for the major.	3 units

List A: 3 units - Select one of the following or any course from the required Core not already chosen:**Units**

PHIL 160	History of Western Philosophy: Ancient and Medieval	3 units
OR		
PHIL 175	History of Western Philosophy: 16th – 18th Century	3 units

List B: 6 units - Select two courses from the following or from list A or the required Core not already chosen:**Units**

PHIL 312	Introduction to Philosophy of Religion	3 units
PHIL 320	Asian Philosophy	3 units
HIST 100	History of Western Civilization I	3 units
HIST 101	History of Western Civilization II	3 units

List C: 3 units - select one of the following or any course from List A or B not already chosen**Units**

PHIL 280	Introduction to Political Philosophy	3 units
OR		
PLSC 280	Introduction to Political Philosophy	3 units
PHIL 300	Intro to World Religions	3 units

Total Required Major Units: 18

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of **9 to 12** major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

PHYSICAL EDUCATION

AA Associate in Arts Degree Program

Physical Education.....60 units

AA Physical Education

The Physical Education major may be used as the basis for careers in teaching, coaching, athletic training, exercise science/fitness, athletic and sports management.

Students intending to earn a Bachelor's degree in physical education/kinesiology should consult early with counselors and current catalogs of the college/university to which they plan to transfer. Specific requirements vary; however institutions usually require that students complete a core of basic sciences and physical education courses as well as general education requirements prior to transfer.

Career Opportunities

Career opportunities include teaching, coaching, athletic training, exercise science and fitness, athletic and sports management.

Program Learning Outcomes

Students completing this program will be able to:

1. ADAPTED: Demonstrate increased muscular strength and endurance, or in the presence of a degenerative disease process, demonstrate either maintained or slowed degradation of muscular strength and endurance in areas where given the "normal" course of the disease, decreased muscle strength and endurance would be expected.
2. COMBATIVES: Demonstrate improvement in areas of fitness as measured by the division Physical Education Evaluation Program (PEEP).
3. COMBATIVES: Demonstrate the fundamental skills, knowledge, etiquette and vocabulary used in the practice and performance of combative activities.
4. COMBATIVES: Recognize the importance of, and practice, participating in regular moderate physical activity for at least 30 minutes a day.
5. DANCE: Provide a more authentic and individualized interpretation of a given dance form through a demonstration of appropriate levels of technique that incorporate cultural elements* of this dance form (*e.g., costume, history, vocabulary, rhythm and music).
6. DANCE: Create and develop unique movement sequences, and collaboratively organize that material into a dance.
7. DANCE: Critically evaluate and objectively discuss dance as a performance art.
8. FITNESS: Demonstrate improvement in areas of fitness as measured by the division Physical Education Evaluation Program (PEEP).
9. FITNESS: Recognize the importance of, and practice, participating in regular moderate physical activity for at least 30 minutes a day.
10. FITNESS: Identify and assess their current fitness level; alter or modify specific wellness or fitness practices in order to improve body composition/flexibility/cardiovascular fitness/muscular endurance/muscular strength.
11. INDIVIDUAL SPORTS: Identify and assess their current fitness level; alter or modify specific wellness or fitness practices in order to improve body composition/flexibility/cardiovascular fitness/muscular endurance/muscular strength related to performance.
12. INDIVIDUAL SPORTS: Recognize the importance of, and practice, participating in regular moderate physical activity for at least 30 minutes a day.
13. INDIVIDUAL SPORTS: Demonstrate and apply the fundamental skills, knowledge, etiquette and vocabulary used in the practice and performance of individual activities.
14. PHYSICAL EDUCATION/KINESIOLOGY: Identify risk factors for heart disease and stroke, and apply general fitness/wellness principles to minimize risk.
15. PHYSICAL EDUCATION/KINESIOLOGY: Critically analyze anatomical and physiological factors in the development of exercise prescription, prevention and rehabilitation programs designed to meet individual goals and circumstances.
16. PHYSICAL EDUCATION/KINESIOLOGY: Identify career and / or educational options in physical education, and formulate an action plan to successfully pursue and attain those options.
17. PHYSICAL EDUCATION/KINESIOLOGY: Demonstrate an understanding of the historical, social and psychological aspects of activity and sport in the context of society.
18. TEAM SPORTS: Demonstrate improvement in areas of fitness as measured by the division Physical Education Evaluation Program (PEEP).
19. TEAM SPORTS: Demonstrate the fundamental skills, knowledge, etiquette and vocabulary used in the practice and performance of team activities.
20. TEAM SPORTS: Develop individual and team offensive / defensive programs applicable to specific goals, evaluate various techniques for effectiveness, demonstrate skills at an advanced level and apply concepts into practice.
21. VARSITY SPORTS: Demonstrate an expert knowledge of the strategies and skills of the sport; use critical thinking skills to apply this knowledge to a competitive situation in order to contend to the best of one's ability against outside opponents.
22. VARSITY SPORTS: Embody the traits of good sportsmanship and a sense of team in both competition and practice; and demonstrate commitment to academic achievement through work ethic developed in practice and competition.

Required Core Courses

Units

Required Core Courses	Units
BIOL 130 Human Biology	3 units
BIOL 250 Human Anatomy	4 units
KINE 100 Introduction to Kinesiology	3 units
PSYC 100 General Psychology	3 units
KINE 305 Health-Related Fitness and Wellness	3 units

Plus a minimum of 1 unit from each of 3 different areas from the following:

ADAPTIVE PHYSICAL EDUCATION (ADAP):		Units
ADAP 358	Adapted Strength Development	0.5 - 1 units
ADAP 359	Balance and Functional Movement for the Physically Limited	0.5 - 1 units

COMBATIVES (COMB):		Units
COMB 105.1	Jiu Jitsu I	0.5 - 1 units
COMB 105.2	Jiu Jitsu II	0.5 - 1 units
COMB 105.3	Jiu Jitsu III	0.5 - 1 units
COMB 301	Beginning Wrestling	0.5 - 1 units
COMB 302	Intermediate Wrestling	0.5 - 1 units
COMB 401.1	Self Defense I	0.5 - 2 units
COMB 401.2	Self Defense II	0.5 - 2 units
COMB 401.3	Self Defense III	0.5 - 2 units
COMB 401.4	Self Defense IV	0.5 - 2 units

DANCE (DANC):		Units
DANC 121.1	Contemporary Modern Dance I	0.5 - 1 units
DANC 121.2	Contemporary Modern Dance II	0.5 - 1 units
DANC 121.3	Contemporary Modern Dance III	0.5 - 1 units
DANC 121.4	Contemporary Modern Dance IV	0.5 - 1 units
DANC 130.1	Jazz Dance I: Lyrical, Pop & Broadway	0.5 or 1 units
DANC 130.2	Jazz Dance II – Lyrical, Pop and Broadway	0.5 - 1 units
DANC 130.3	Jazz Dance III – Lyrical, Pop and Broadway	0.5 - 1 units
DANC 130.4	Jazz Dance IV – Lyrical, Pop and Broadway	0.5 - 1 units

DANC 140.1	Ballet I	0.5 - 1 units
DANC 140.2	Ballet II	0.5 - 1 units
DANC 140.3	Ballet III	0.5 - 1 units
DANC 140.4	Ballet IV	0.5 - 1 units
DANC 330.1	Creative Dance I	0.5 - 1 units
DANC 330.2	Creative Dance II	0.5 - 1 units
DANC 330.3	Creative Dance III	0.5 - 1 units
DANC 330.4	Creative Dance IV	0.5 - 1 units
DANC 350.1	Cardio Dance I	0.5 - 1 units
DANC 350.2	Cardio Dance II	0.5 - 1 units
DANC 350.3	Cardio Dance III	0.5 - 1 units
DANC 350.4	Cardio Dance IV	0.5 - 1 units

FITNESS (FITN):		Units
FITN 106	Varsity Conditioning	0.5 - 2 units
FITN 107	Intercollegiate Fitness	0.5 - 2 units
FITN 112.1	Cross Training I	0.5 - 1 units
FITN 112.2	Cross Training II	0.5 - 1 units
FITN 112.3	Cross Training III	0.5 - 1 units
FITN 112.4	Cross Training IV	0.5 - 1 units
FITN 116.1	Body Conditioning I	0.5 - 1 units
FITN 116.2	Body Conditioning II	0.5 - 1 units
FITN 116.3	Body Conditioning III	0.5 - 1 units
FITN 116.4	Body Conditioning IV	0.5 - 1 units

FITN 166.1	Golf Fitness I	0.5 - 2 units
FITN 166.2	Golf Fitness II	0.5 - 2 units
FITN 166.3	Golf Fitness III	0.5 - 2 units
FITN 166.4	Golf Fitness IV	0.5 - 2 units
FITN 199.1	Interactive Cardiovascular Fitness I	2 units
FITN 199.2	Interactive Cardiovascular Fitness II	2 units
FITN 201.1	Weight Training I	0.5 - 2 units
FITN 201.2	Weight Training II	0.5 - 2 units
FITN 201.3	Weight Training III	0.5 - 2 units
FITN 201.4	Weight Training IV	0.5 - 2 units
FITN 219.1	Core Fitness Training I	0.5 - 2 units
FITN 219.2	Core Fitness Training II	0.5 - 2 units
FITN 219.3	Core Fitness Training III	0.5 - 2 units
FITN 219.4	Core Fitness Training IV	0.5 - 2 units
FITN 301.1	Spinning I	0.5 - 1 units
FITN 301.2	Spinning II	0.5 - 1 units
FITN 301.3	Spinning III	0.5 - 1 units
FITN 301.4	Spinning IV	0.5 - 1 units
FITN 304.1	Walking Fitness I	0.5 - 1 units
FITN 304.2	Walking Fitness II	0.5 - 1 units
FITN 304.3	Walking Fitness III	0.5 - 1 units
FITN 304.4	Walking Fitness IV	0.5 - 1 units
FITN 305.1	Cardiovascular Development - Running Emphasis I	0.5 - 2 units

FITN 305.2	Cardiovascular Development - Running Emphasis II	0.5 - 2 units
FITN 305.3	Cardiovascular Development - Running Emphasis III	0.5 - 2 units
FITN 305.4	Cardiovascular Development - Running Emphasis IV	0.5 - 2 units
FITN 308.1	Hiking and Trekking for Fitness I	0.5 - 2 units
FITN 308.2	Hiking and Trekking for Fitness II	0.5 - 2 units
FITN 308.3	Hiking and Trekking for Fitness III	0.5 - 2 units
FITN 308.4	Hiking and Trekking for Fitness IV	0.5 - 2 units
FITN 314.1	Backpacking for Fitness I	0.5 - 2 units
FITN 314.2	Backpacking for Fitness II	0.5 - 2 units
FITN 314.3	Backpacking for Fitness III	0.5 - 2 units
FITN 314.4	Backpacking for Fitness IV	0.5 - 2 units
FITN 332.1	Stretching and Flexibility I	0.5 - 2 units
FITN 332.2	Stretching and Flexibility II	0.5 - 2 units
FITN 332.3	Stretching and Flexibility III	0.5 - 2 units
FITN 332.4	Stretching and Flexibility IV	0.5 - 2 units
FITN 334.1	Yoga I	0.5 - 1 units
FITN 334.2	Yoga II	0.5 - 1 units
FITN 334.3	Yoga III	0.5 - 1 units
FITN 334.4	Yoga IV	0.5 - 1 units
FITN 335.1	Pilates I	0.5 - 1 units
FITN 335.2	Pilates II	0.5 - 1 units
FITN 335.3	Pilates III	0.5 - 1 units
FITN 335.4	Pilates IV	0.5 - 1 units

INDIVIDUAL SPORTS (INDV):		Units
INDV 101.1	Archery I	0.5 - 2 units
INDV 101.2	Archery II	0.5 - 2 units
INDV 101.3	Archery III	0.5 - 2 units
INDV 101.4	Archery IV	0.5 - 2 units
INDV 121.1	Badminton I	0.5 - 1 units
INDV 121.2	Badminton II	0.5 - 1 units
INDV 121.3	Badminton III	0.5 - 1 units
INDV 121.4	Badminton IV	0.5 - 1 units
INDV 126	Coed Club Badminton	0.5 - 1 units
INDV 160.1	Golf I	0.5 - 1 units
INDV 160.2	Golf II	0.5 - 1 units
INDV 160.3	Golf III	0.5 - 1 units
INDV 160.4	Golf IV	0.5 - 1 units
INDV 251.1	Tennis I	0.5 - 1 units
INDV 251.2	Tennis II	0.5 - 1 units
INDV 251.3	Tennis III	0.5 - 1 units
INDV 251.4	Tennis IV	0.5 - 1 units

KINESIOLOGY (KINE):		Units
KINE 305	Health-Related Fitness and Wellness	3 units

PHYSICAL EDUCATION (P.E.):		Units
P.E. 105	The Student-Athlete Experience	2 units
P.E. 152	Theory of Sport & Fitness Management	3 units

P.E. 301	Introduction to Personal Training	3 units
P.E. 302	Introduction to Sport Nutrition	3 units

TEAM SPORTS (TEAM):		Units
TEAM 100	Men's Baseball	2 units
TEAM 111.1	Basketball I	0.5 - 1 units
TEAM 111.2	Basketball II	0.5 - 1 units
TEAM 111.3	Basketball III	0.5 - 1 units
TEAM 111.4	Basketball IV	0.5 - 1 units
TEAM 112	Basketball: Advanced Competition Strategies	0.5 - 1 units
TEAM 116	Basketball: Individual Skill Development	0.5 - 1 units
TEAM 132.1	Flag Football I	0.5 - 2 units
TEAM 132.2	Flag Football II	0.5 - 2 units
TEAM 132.3	Flag Football III	0.5 - 2 units
TEAM 132.4	Flag Football IV	0.5 - 2 units
TEAM 141.1	Soccer I	0.5 - 1 units
TEAM 141.2	Soccer II	0.5 - 1 units
TEAM 141.3	Soccer III	0.5 - 1 units
TEAM 141.4	Soccer IV	0.5 - 1 units
TEAM 148.1	Indoor Soccer I	0.5 - 1 units
TEAM 148.2	Indoor Soccer II	0.5 - 1 units
TEAM 148.3	Indoor Soccer III	0.5 - 1 units
TEAM 148.4	Indoor Soccer IV	0.5 - 1 units
TEAM 179	Tournament Volleyball	0.5 - 1 units
TEAM 188	Volleyball Theory: Defense	1.5 - 3 units

TEAM 189	Volleyball Theory: Offense	1.5 - 3 units
TEAM 190	Baseball Theory: Defense	1.5 - 3 units
TEAM 191	Baseball Theory: Offense	1.5 - 3 units
TEAM 192	Men's Basketball Theory: Defense	1.5 - 3 units
TEAM 193	Men's Basketball Theory: Offense	1.5 - 3 units
TEAM 194	Women's Basketball Theory: Defense	1.5 - 3 units
TEAM 195	Women's Basketball Theory: Offense	1.5 - 3 units
TEAM 196	Men's Soccer Theory: Defense	1.5 - 3 units
TEAM 197	Men's Soccer Theory: Offense	1.5 - 3 units
TEAM 198	Women's Soccer Theory: Defense	1.5 - 3 units
TEAM 199	Women's Soccer Theory, Offense	1.5 - 3 units

Total Required Major Units: 19

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

PHYSICS

AS-T Associate in Science Degree for Transfer

Physics for Transfer.....60 units

AS-T Physics for Transfer

An Associate of Science in Physics for Transfer degree (AS-T) from Skyline College prepares students for transfer to a baccalaureate institution to obtain a degree in Physics or a closely related discipline. The program is designed to teach students analytical skills, mathematical techniques and knowledge of physics in both the theoretical and experimental domains, as appropriate to prepare students for subsequent upper division course work in the same or similar arenas. The theoretical foundation is laid for mechanics, oscillations and waves, thermodynamics,

electricity and magnetism, optics and modern physics. In laboratory, students are introduced to various measurement techniques and instruments including computerized data collection, and learn to model data and interpret it statistically to produce appropriate conclusions about the natural world. The program will produce students well prepared to transfer to the California State University system to undertake a study of upper division theoretical and/or experimental course work in Physics.

The Associate of Science in Physics for Transfer degree (AS-T) is intended for students who plan to complete a bachelor's degree in Physics or a closely related discipline at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending the transfer to a particular university of college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

NOTE: Students should consult a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Program Learning Outcomes

Students completing this program will be able to:

1. Draw on both conceptual understanding and (as appropriate to course level) mathematical techniques to find exact solutions to real-world physical phenomena
2. Understand the scientific method and principle laws of physics, to sufficiently apply them in their future careers.
3. (as applicable) Conduct lab experiments to measure the physical behavior of the real world, and correctly interpret the conceptual and statistical implications of the experimental data.

Required Courses

		Units
PHYS 250	Physics with Calculus I	4 units
PHYS 260	Physics with Calculus II	4 units
PHYS 270	Physics with Calculus III	4 units
MATH 251	Calculus with Analytic Geometry I	5 units
MATH 252	Calculus with Analytic Geometry II	5 units



MATH 253	Calculus with Analytic Geometry III	5 units
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Total Required Major Units: 27

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to, but no more than 6 units may be double-counted for general education and major requirements. In practice, this means only one major course may be counted; all required major courses are 4 or 5 units; therefore any two courses would exceed the 6 unit limit. As always, consult with a counselor to develop an optimum plan. This degree does **not** require the Skyline Associate Degree Requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

POLITICAL SCIENCE

AA-T Associate in Arts Degree for Transfer

Political Science for Transfer..... 60 units

AA-T Political Science for Transfer

The Associate for Arts in Political Science for Transfer Degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an AA-T degree are guaranteed admissions to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information or university admissions and transfer requirements.

Career Opportunities

A bachelor's degree in political science can lead to exciting careers in federal, state and local governments; law; business; international organizations; nonprofit associations and organizations; campaign management and polling; journalism; precollegiate education; electoral politics; research, university and college teaching. Political science majors gain analytical skills, administrative competence and communication abilities that are valued in a wide spectrum of potential career areas. Source: American Political Science Association

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate an understanding of comparative political systems, especially as they relate to cultural components and socio-economic environments.
2. Analyze and articulate the key approaches to the study of the relationship between nations as it pertains to their military, economic, and diplomatic relations.
3. Critically evaluate and be familiar with the nature and process of theorizing in political science and be able to distinguish and categorize different types of methodology and theory utilized in the study of political science.
4. Demonstrate an understanding of the principles and values that constitute the underpinnings of the American political institutions as they have evolved throughout history.

Required Core: 3 units

Units

PLSC 200	National, State and Local Government	3 units
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List A: Select 3 courses (9-10 units) from the following:

Units

PLSC 115	Comparative Government	3 units
PLSC 130	International Relations	3 units
PLSC 280	Introduction to Political Philosophy	3 units
MATH 200	Elementary Probability & Statistics	4 units
OR		
PSYC 171	Quantitative Reasoning in Psychology	3 units

List B: Select 2 courses (6 units) from the following:

		Units
ECON 100	Principles of Macro Economics	3 units
ECON 102	Principles of Microeconomics	3 units
HIST 201	United States History I	3 units
HIST 202	United States History II	3 units
HIST 235	History of Ethnic Groups in the United States	3 units
HIST 240	History of Ethnic Groups in California	3 units
PLSC 301	California State and Local Government	3 units
PLSC 335	History and Politics of the Middle East	3 units

Total Required Major Units: 18 - 19

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 15-16 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

PSYCHOLOGY

AA Associate in Arts Degree Program

Psychology..... 60 units

AA-T Associate in Arts Degree for Transfer

Psychology for Transfer..... 60 units

AA Psychology

The Psychology major seeks to expose students to the core principles and practices in the field of Psychology and provides students with an understanding and appreciation of the human mind and behavior. Both the general Psychology degree and the Associate in Arts Degree in Psychology for Transfer meet the needs of students interested in transferring to a four-year college or university in the major of Psychology or a related field, and those interested in learning the principles of psychology as a means of integrating this knowledge into their chosen major and/or profession.

Program Learning Outcomes

Students completing this program will be able to:

1. Explain behavior using learning theory.
2. Know that both nature and nurture are important in determining behavior.
3. Have the attitude that behavior change is possible.

Required Core Courses

Units

PHIL 103	Critical Thinking	3 units
OR		
PHIL 200	Introduction to Logic	3 units
PSYC 100	General Psychology	3 units
PSYC 105	Experimental Psychology	3 units
PSYC 201	Child Development	3 units
OR		
ECE. 201	Child Development	3 units
PSYC 410	Abnormal Psychology	3 units

Plus a selection of 6 units from the following:

Units

PSYC 110	Courtship, Marriage and Family	3 units
OR		
SOCI 110	Courtship, Marriage and Family	3 units
PSYC 171	Quantitative Reasoning in Psychology	3 units
PSYC 200	Developmental Psychology	3 units
PSYC 220	Introduction to Psychobiology	3 units
PSYC 230	Introduction to Cross-Cultural Psychology	3 units
PSYC 238	Arab Cultural Psychology	3 units
PSYC 268	Black Psychology	3 units



PSYC 300	Social Psychology	3 units
PSYC 301	Psychology of Personal Development	3 units
PSYC 310	Positive Psychology	3 units
PSYC 390	Psychology of Consciousness	3 units
PSYC 665	Special Topics in Psychology	0.5 - 2 units

Total Required Major Units: 21

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

AA-T Psychology for Transfer

The Skyline College Associate in Arts Degree in Psychology for Transfer is designed to facilitate successful transfer to baccalaureate psychology degree programs at a CSU. This degree provides students with the lower division breadth and depth in the field of psychology. This degree is intended for students who are interested in transferring to a California State University (CSU) campus with a major in Psychology.

The Associate in Arts Degree for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better, or "Pass" if the course is taken on a Pass/No Pass basis, is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Program Learning Outcomes

Students completing this program will be able to:

1. When students have completed the psychology program, they should be able to explain behavior using learning theory.
2. When students have completed the psychology program, they should know that both nature and nurture are important in determining behavior.

3. When students have completed the psychology program, they should have the attitude that behavior change is possible.

Required Core Courses		Units
PSYC 100	General Psychology	3 units
PSYC 105	Experimental Psychology	3 units
PSYC 171	Quantitative Reasoning in Psychology	3 units
OR		
MATH 200	Elem Probability & Statistics	4 units

List A: Select one course from the following:		Units
BIOL 110	Principles of Biology	4 units
BIOL 130	Human Biology	3 units

List B: Select one course from the following:		Units
PSYC 200	Developmental Psychology	3 units
PSYC 201	Child Development	3 units

List C: Select one course from the following:		Units
PSYC 110	Courtship, Marriage and Family	3 units
PSYC 268	Black Psychology	3 units
PSYC 300	Social Psychology	3 units

Total Required Major Units: 18 - 20

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 15-17 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

RESPIRATORY CARE

BS Bachelor's in Science Degree Program

Respiratory Care..... 120 units

AS Associate in Science Degree Program

Respiratory Care..... 60 units

BS Respiratory Care

The Bachelor's in Science in Respiratory Care program allows graduates of AS degree Respiratory Care programs and licensed Respiratory Care Practitioners (RCP) a pathway to complete their four-year degree without having to transfer to a four-year college or university. The curriculum provides advanced scope of practice education with emphasis in advanced cardiopulmonary pathophysiology, advanced respiratory case management, advanced respiratory neonatal/pediatrics, health education in respiratory care, research methodology, quantitative principles, respiratory care sleep medicine, and respiratory care leadership and management. Increasingly, Respiratory Care Practitioners hold responsibilities formerly conducted by physicians requiring a greater level of critical thinking and analytical skills.

A minimum of 26.5 units of upper division major course work builds upon the lower division major course work. The degree also includes a minimum of 15 units of upper division general education courses in alignment with California State University and University of California guidelines. Students will complete coursework through a capstone project developed in collaboration with faculty and community members that is aligned with student area of interest.

The cost of tuition will be \$130 per unit for upper division coursework, much less than at a four-year institution.

ADMISSION PROCEDURES AND REQUIREMENTS

Admission to the Bachelor's in Science in Respiratory Care is by special application and can be found on the college website: <http://skylinecollege.edu/respiratorycarebachelors/>. Students are admitted into the program once a year, in the Fall semester. Approximately 40 students are admitted to the program per cohort.

To qualify students must:

Complete lower division respiratory care coursework from a CoARC accredited program

Complete a minimum 30 CSU or UC (IGETC) GE pattern lower division units from a regionally accredited college

Be licensed or licensure eligible

Students may transfer up to 87.5 units of lower division coursework and enter the program in junior status.

Selection procedures are based on criteria approved by the Skyline College Administration and consistent with state regulations:

Priority will be granted to students who are enrolled in the A.S. Respiratory Care program at Skyline College and intend to continue to B.S. Respiratory Care program, who have completed and submitted all application materials, and have completed 30 CSU GE pattern lower division units.

Remaining seats will be granted to the following applicants:

New graduates from other programs who have completed an accredited Respiratory Care Program equivalent to an A.S. in Respiratory Care, are California licensure eligible, have completed and submitted all application materials, and have completed 30 CSU GE pattern lower division units.

AND

Respiratory Care Practitioners who have completed an accredited Respiratory Care Program equivalent to an A.S. in Respiratory Care, are California licensure eligible, have completed and submitted all application materials, and have completed 30 CSU GE pattern lower division units.

If more applications are received than space allows, a lottery system will be setup and a waiting list will be formed. Forty (40) applicants will be accepted each for each cohort, and fifteen more will be waitlisted.

For further information, please visit the program website or contact Gretchen Keys, Director of Respiratory Care and Allied Health at (650) 738-4457 or keysg@smccd.edu.

Career Opportunities

Completion of this degree will provide advancement opportunities in positions such as advanced level practitioner, researcher, case manager, supervisor, manager, director, and/or educator.

Program Learning Outcomes

Students completing this program will be able to:

1. Apply knowledge of advanced Respiratory Care concepts and functions in an integrated approach

2. Draw on multiple sources of analysis, research, and critical thinking to address a problem and construct an applicable project focused in Respiratory Care

Upper Division Major Coursework		Units
RPTH B10	Advanced Cardiopulmonary Respiratory Care	3 units
RPTH B15	Sleep Medicine and Respiratory Care	3 units
RPTH B20	Advanced Respiratory Case Management	3 units
RPTH B30	Principles of Health Education	3 units
RPTH B40	Health Care Research Design and Methodology	3 units
RPTH B50	Respiratory Care Leadership and Management I	3 units
RPTH B52	Respiratory Care Leadership and Management II	3 units
RPTH B60	Advanced Neonatal and Pediatric Respiratory Care	3 units
RPTH B90	Respiratory Care Capstone Project	2.5 units

Upper Division General Education		Units
COMM B10	Health Communication	3 units
COUN B10	Multicultural Human Relations	3 units
PHIL B10	Medical Ethics	3 units
SOCI B10	Intersectionality and Citizenship	3 units
SOSC B10	Public Health Policy	3 units

Lower Division Major Coursework		Units
RPTH 400	Patient & Health Care Concerns	1.5 units
RPTH 410	Introduction to Patient Care & Respiratory Assessment Techniques	3 units
RPTH 415	Respiratory Pharmacology	1.5 units
RPTH 420	Application of Cardiopulmonary Anatomy & Physiology	3 units
RPTH 430	Introduction to Respiratory Therapeutics	6 units
RPTH 438	Clinical Clerkship I	1 unit
RPTH 445	Respiratory Diseases I	2 units

RPTH 448	Clinical Clerkship II	2 units
RPTH 450	Respiratory Diseases II	3 units
RPTH 458	Clinical Clerkship III	6 units
RPTH 460	Respiratory Critical Care	3 units
RPTH 475	Hemodynamic Monitoring and Selected Topics in Respiratory Care	2 units
RPTH 480	Diagnostic Testing and Outpatient Respiratory Care	2 units
RPTH 485	Clinical Medicine Seminar	2 units
RPTH 488	Clinical Clerkship IV	6 units
RPTH 490	Neonatal and Pediatric Respiratory Care	2.5 units
RPTH 495	Respiratory Care Board Examination Preparation and Review	2 units

Lower Division General Education (or equivalent)

CSU General Education or IGETC for UC (37-39 units)

Total Required Major Units: 120

AS Respiratory Care

Respiratory Care is a two-year program that prepares students to administer respiratory care and life support to patients with breathing disorders and cardiopulmonary abnormalities. Most Respiratory Care Practitioners participate in three phases of patient care: diagnosis, treatment, and patient management.

Skyline College's Respiratory Care Program is accredited by:

Committee on Accreditation for Respiratory Therapy (CoARC)

1248 Harwood Road
Bedford, TX 76021-4244
Telephone: (817) 283-2835
Fax: (817) 354-8519
Fax to Email: (817) 510-1063

Licensure/Certification Eligibility Requirements:

California state licensure requires completion of a CoARC accredited Respiratory Care program, a minimum of an associate degree from a regionally accredited agency, a Registered Respiratory Therapist (RRT) credential, and a board approved law and ethics course. Visit the Respiratory Care Board of California website for more information <http://www.rcb.ca.gov/>.

ADMISSION PROCEDURES AND REQUIREMENTS

Students are admitted into the program once a year only, in the Fall semester. Special Respiratory Care application forms are available on the Respiratory Care College website. Applicants who have previously applied, and wish to reapply, must submit new applications. Approximately 25 students are admitted to the program each year. Selection is based on criteria approved by the Skyline College Administration and consistent with state regulations. For further information on the Respiratory Care Program, please call (650) 738-4457.

Prior to starting classes, students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, a social security referenced background check, and a drug test.

Full-time registration is required, and all courses must be taken in sequence. Credit may be given for previous coursework. **A minimum grade of C is required in all coursework.** To determine specific General Education requirements, applicants are encouraged to contact the Counseling Department.

Admission to the Respiratory Care Program requires the following minimum entrance requirements:

1. High school graduation or equivalent.
2. Presently enrolled in or completed with a grade of C or better:
 - Algebra equivalent to MATH 110 or 112.
 - Chemistry equivalent to CHEM 192 or 410.
 - Human Anatomy equivalent to BIOL 250.
 - Medical Terminology equivalent to HSCI 484.
 (**Note:** Human Anatomy may be taken in the summer session preceding the program.)
3. English: Eligibility for Skyline College ENGL 846 or equivalent.

Career Opportunities

Respiratory Care Practitioner

Program Learning Outcomes

Students completing this program will be able to:

1. Obtain the RRT credential.
2. Obtain gainful employment as a Licensed Respiratory Care Practitioner (RCP).
3. Demonstrate competency in the cognitive, psychomotor, and affective domains when providing respiratory care.

For gainful employment information, see this program's [gainful employment website](#).

Required Core Courses

Units

RPTH 400	Patient & Health Care Concerns	1.5 units
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RPTH 410	Introduction to Patient Care & Respiratory Assessment Techniques	3 units
RPTH 415	Respiratory Pharmacology	1.5 units
RPTH 420	Application of Cardiopulmonary Anatomy & Physiology	3 units
RPTH 430	Introduction to Respiratory Therapeutics	6 units
RPTH 438	Clinical Clerkship I	1 unit
RPTH 445	Respiratory Diseases I	2 units
RPTH 448	Clinical Clerkship II	2 units
RPTH 450	Respiratory Diseases II	3 units
RPTH 458	Clinical Clerkship III	6 units
RPTH 460	Respiratory Critical Care	3 units
RPTH 475	Hemodynamic Monitoring and Selected Topics in Respiratory Care	2 units
RPTH 480	Diagnostic Testing and Outpatient Respiratory Care	2 units
RPTH 485	Clinical Medicine Seminar	2 units
RPTH 488	Clinical Clerkship IV	6 units
RPTH 490	Neonatal and Pediatric Respiratory Care	2.5 units
RPTH 495	Respiratory Care Board Examination Preparation and Review	2 units

Plus Chemistry, Human Anatomy, Human Physiology, Microbiology and General Education/other requirements for the Associate degree (refer to Associate Degree Requirements). The College also offers a Certificate of Achievement for those graduates having a prior Associate or above degree

Total Required Major Units: 48.5

Plus Chemistry, Human Anatomy, Human Physiology, Microbiology and required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

NOTE: The College also offers a Certificate of Achievement for those graduates having a prior Associate or above degree



SOCIOLOGY

AA-T Associate in Arts Degree for Transfer

Sociology for Transfer..... 60 units

AA-T Sociology for Transfer

The Associate in Arts Sociology for Transfer is intended for students interested in transferring to a CSU with a major in Sociology. Students completing an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. Sociology is a systematic, scientific study of societies, their composition, structure, and transformation. Our Sociology courses are intended to strengthen students' skills to analyze social inequality, structure of power, and the processes and outcomes of economic, social, and cultural marginalization. Students completing this program will be equipped with Sociological Imagination that enables them to critically analyze their everyday personal experiences in relation to the larger social structure. A major in sociology will offer a preparation to students planning upper-division work in sociology, psychology, political science, and other fields of social sciences. In addition, a sociological education is an excellent background for occupational training in law, medicine, business, education, law enforcement, and social work. It is also an ideal choice for students considering careers in the private sector, government, and non-profit organizations.

Career Opportunities

In addition to a career as a sociologist, career possibilities for students who graduate with a Bachelor's degree in Sociology include social services and counseling, sales and marketing, early childhood development, administrative support, teaching, service occupations, legal careers, community organizers, activism, administration of justice, journalism, and social scientific research.

Program Learning Outcomes

Students completing this program will be able to:

1. Apply sociological theories and concepts to decipher the system of social stratification, power and privileges arising from factors such as social class, gender, and race.
2. Demonstrate understanding of sociological methodological approaches.

3. Apply a sociological perspective to analyze how social structure manifests itself in their own lives in order to actively participate in civic life.

Required Core (9-10 units)		Units
SOCI 100	Introduction to Sociology	3 units

Select two from the following: (6 - 7 units)		Units
SOCI 105	Contemporary Social Issues	3 units
SOCI 129	Introduction to Research Methods	3 units
MATH 200	Elementary Probability & Statistics	4 units
OR		
PSYC 171	Quantitative Reasoning in Psychology	3 units

List A: Select two from the list below or any required Core course not already used: (6 units)

		Units
SOCI 110	Courtship, Marriage and Family	3 units
SOCI 141	Race and Ethnicity	3 units
SOCI 160	Sociology of Sex and Gender	3 units

List B: Select one from the list below or any course not already used above: (3 units)

		Units
ANTH 110	Cultural Anthropology	3 units
PSYC 110	Courtship, Marriage and Family	3 units

Total Required Major Units: 18 - 19

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- **OR**
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of **9-12**, major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

translation, interpretation and communication in different foreign languages in society.

SPANISH

AA Associate in Arts Degree Program

Spanish.....60 units

AA-T Associate in Arts Degree for Transfer

Spanish for Transfer.....60 units

AA Spanish

Program Learning Outcomes

Students completing this program will be able to:

1. Identify and describe language structure and functions of the main components of the linguistic system of the four basic skills: reading, writing, speaking and listening comprehension.
2. Summarize, translate and interpret the main grammatical structures in language to offer various explanations and understandings of why and how people communicate.
3. Distinguish different forms of dialects and discourse to be interpreted and translated into the target language and into the dominant language - English.
4. Critically consider, analyze, and research special issues in sociolinguistics, bilingualism and multiculturalism.
5. Apply cultural and grammatical theories, principles, and concepts to address real life problems and situations in the foreign language acquisition and cognition field.
6. Exhibit strong and effective written and oral communication skills.
7. Identify career and educational options in the field of foreign language acquisition, and then formulate appropriate action plans toward achieving goals and objectives.
8. Recognize the importance of, and practice exposure to different native-speakers of the target language for further socio-cultural and linguistic development.
9. Bring back into the community and apply the skills, abilities, and knowledge acquired in the SKYFLA Program for the improvement of others and themselves, and to further the objectives of

Required Core Courses

Units

SPAN 110	Elementary Spanish	5 units
OR		
SPAN 111	Elementary Spanish I	3 units
AND		
SPAN 112	Elementary Spanish II	3 units
SPAN 120	Advanced Elementary Spanish	5 units
OR		
SPAN 121	Advanced Elementary Spanish I	3 units
AND		
SPAN 122	Advanced Elementary Spanish II	3 units
OR		
SPAN 220	Spanish for Spanish Speakers I	5 units
SPAN 130	Intermediate Spanish	4 units
SPAN 140	Advanced Intermediate Spanish	4 units

Total Required Major Units: 18 - 20

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

AA-T Spanish for Transfer

The Associate in Arts Degree for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does not accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular campus or university or college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better, or "Pass" if the course is taken on a Pass/No Pass basis, is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Program Learning Outcomes

Students completing this program will be able to:



1. Identify and describe language structure and functions of the main components of the linguistic system of the four basic skills: reading, writing, speaking and listening comprehension.
2. Summarize, translate and interpret the main grammatical structures in language to offer various explanations and understandings of why and how people communicate.
3. Distinguish different forms of dialects and discourse to be interpreted and translated into the target language and into the dominant language - English.
4. Critically consider, analyze, and research special issues in sociolinguistics, bilingualism and multiculturalism.
5. Apply cultural and grammatical theories, principles, and concepts to address real life problems and situations in the foreign language acquisition and cognition field.
6. Exhibit strong and effective written and oral communication skills.
7. Identify career and educational options in the field of foreign language acquisition, and then formulate appropriate action plans toward achieving goals and objectives.
8. Recognize the importance of, and practice exposure to different native-speakers of the target language for further socio-cultural and linguistic development.
9. Bring back into the community and apply the skills, abilities, and knowledge acquired in the SKYFLA Program for the improvement of others and themselves, and to further the objectives of translation, interpretation and communication in different foreign languages in society.

Required Core Courses	Units
SPAN 110 Elementary Spanish	5 units
SPAN 120 Advanced Elementary Spanish	5 units
SPAN 130 Intermediate Spanish	4 units
OR	
SPAN 220 Spanish for Spanish Speakers I	5 units
SPAN 140 Advanced Intermediate Spanish	4 units
OR	
SPAN 230 Spanish for Spanish Speakers II	5 units

List A - Select one course from the following:

	Units
LIT. 370 Readings in Literature of the Latino in the United States	3 units
HIST 420 Survey of Latin American History	3 units

HIST 429	History of Latinos in the United States	3 units
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Total Required Major Units: 19 - 23

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

A total of 6-18 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

SURGICAL CAREERS

AS Associate in Science Degree Program

Anesthesia Technology.....	60 units
Surgical Technology.....	60 units

CA Certificate of Achievement

Anesthesia Technology.....	30 units
Surgical Technology.....	34 units

CC Career Certificate

Central Service Technology With Clinical Practice...	11.5 units
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AS Anesthesia Technology

Anesthesia technology focuses on fundamental and advanced clinical procedures which assist the anesthesia provider in the safe and efficient care of patients under anesthesia. Anesthesia Technologists work under the direction of an anesthesia provider as a vital member of the anesthesia care team. Anesthesia Technologists are proficient in the acquisition, preparation, and application of various types of equipment required for the delivery of anesthesia care. Cognitive abilities involve knowledge of anatomy/physiology, pathophysiology, pharmacology, and principles of anesthesia technology. Independent

judgment is required for rapid response to quickly changing circumstances in the patient care environment.

Anesthesia Technologists exhibits professionalism in patient and staff interactions. Anesthesia technologists may work in a variety of clinical settings including: hospital operating rooms, interventional and diagnostic radiology, labor and delivery units, intensive care units, emergency rooms, outpatient procedure suites, and ambulatory surgery centers.

Graduates are eligible to take the national certification exam for Certified Anesthesia Technologist (Cer.A.T.T.) who complete a minimum of an associate degree and major coursework completed from a CAAHEP accredited program. For more information, visit www.asatt.org.

ADMISSION PROCEDURES AND REQUIREMENTS

Students are admitted into the program once each year. Admission to the Anesthesia Technology Program is by special application only. Special application forms are available from the Science/Math/Technology Division Office and the College website. See application for submission dates. Applicants who have previously applied, and wish to reapply, must submit updated application materials. Selection of students is based on criteria approved by the Skyline College Administration and consistent with State regulations. For further information on the Anesthesia Technology Program, please call 650-738-4310 or 650-738-4470. Admission to the Anesthesia Technology Program requires the following minimum entrance requirements:

- High school diploma or equivalent
- Algebra equivalent to MATH 110 or MATH 112
- Chemistry equivalent to CHEM 192 or CHEM 410
- CPR for Healthcare Provider equivalent to EMC. 425
- Human Anatomy equivalent to BIOL 250
- Medical Terminology equivalent to HSCI 484 or MEDA 484
- English: Eligibility for Skyline College ENGL 100 or equivalent
- Human Physiology equivalent to BIOL 260 (may be taken during the first semester of the program)

Communication in the operating room is of extreme importance. It is recommended that applicants be eligible for ENGL 100. Prior to starting classes, students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, a social security referenced background check, and drug test. All courses must be taken in sequence. Credit may be given for previous coursework. **A minimum grade of "C" is required in all Anesthesia Technology courses and prerequisites.**

Career Opportunities

1) Anesthesia Technician. 2) Lead Anesthesia Technician. 3) Anesthesia Technologist. 4) Anesthesia Technical Supervisor. 5) Anesthesia Technical Manager.

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate knowledge and competency in the role as an Anesthesia Technologist.
2. Complete requirements for eligibility for national certification in Anesthesia Technology.
3. Obtain gainful employment as a Certified Anesthesia Technologist.

Units

ANST 400	Professional Aspects of Anesthesia Technology	2 units
ANST 405	Basic Principles of Anesthesia Technology	3 units
ANST 410	Basic Anesthesia Equipment	3 units
ANST 415	Anesthesia Pharmacology	3 units
ANST 420	Application of Principles in Anesthesia Technology	3 units
ANST 425	Anesthesia Technology Clinical Experience I	5 units
ANST 430	Advanced Anesthesia Equipment	3 units
ANST 435	Anesthesia Technology Clinical Experience II	5 units
ANST 440	Anesthesia Technology Examination and Review	3 units

Plus General Education and other requirements for the Associate degree (refer to Associate Degree Requirements).

Total Required Major Units: 30

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

AS Surgical Technology

Surgical Technologists are employed in hospitals, surgery centers, and physician's offices to deliver patient care before, during and after surgery. Skyline's program combines academic and clinical instruction that includes learning to prepare surgical instruments, passing them to the surgeon, and handling specialized equipment. Graduates are eligible to take the national certification exam for Certified Surgical Technologist (CST). The Surgical

Technology Program at Skyline College is accredited by the Commission on Accreditation of Allied Health Programs (CAAHEP).

Certification Eligibility Requirements: Surgical Technology Program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Skyline's program was accredited due to commendations of the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting to CAAHEP. For more information, visit www.arcstsa.org.

Skyline College's Surgical Technology Program is accredited by:

Commission on Accreditation of Allied Health Education Programs (CAAHEP)

1361 Park Street
Clearwater, FL 33756
Telephone: (727) 210-2350
Fax: (727) 210-2354
Email: mail@caahep.org

ADMISSION PROCEDURES AND REQUIREMENTS

Students are admitted into the program only once each year. The program will typically start in summer session and complete at the end of the following spring semester. Admission to the Surgical Technology Program is by special application only. Special application forms are available from the Science/Math/Technology Division Office and the College website. See application for submission dates. Applicants who have previously applied, and wish to reapply, must submit new application materials. Selection of students is based on criteria approved by the Skyline College Administration and consistent with State regulations. For further information on the Surgical Technology Program, please call 738-4221 or 738-4470.

Admission to the Surgical Technology Program requires the following minimum entrance requirements:

- High school diploma or GED
- Algebra equivalent to MATH 110 or MATH 112
- Human Anatomy equivalent to BIOL 250
- Medical Terminology equivalent to HSCI 484 or BUS 485

Communication in the operating room is of extreme importance. It is recommended that applicants be eligible for ENGL 846. Prior to starting classes, students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, a social security referenced background check, and drug test. All courses must be taken in sequence. Credit may be given for previous coursework. **A minimum grade of "C" is required in all Surgical Technology courses and prerequisites.**

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate knowledge of surgical technology equal to an entry-level surgical technologist.
2. Demonstrate competence in clinical skills equal to an entry-level surgical technologist.
3. Demonstrate behavior appropriate for an entry-level surgical technologist.

Required Core Courses

Units

SURG 440	Basic Sciences for Surgical Technology	6.5 units
SURG 441	Surgical Patient Care Concepts	5.5 units
SURG 442	Surgical Specialties	6 units
SURG 443	Clinical Practice for Surgical Technology	8 units
SURG 451	Surgical Skills Lab	5.5 units
SURG 455	Certified Surgical Technologist (CST) Exam Preparation	0.5 units
MEDA 415	Law and Ethics for Allied Health Professionals	2 units

Total Required Major Units: 34

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

CA Anesthesia Technology

Anesthesia technology focuses on fundamental and advanced clinical procedures which assist the anesthesia provider in the safe and efficient care of patients under anesthesia. Anesthesia Technologists work under the direction of an anesthesia provider as a vital member of the anesthesia care team. Anesthesia Technologists are proficient in the acquisition, preparation, and application of various types of equipment required for the delivery of anesthesia care. Cognitive abilities involve knowledge of anatomy/physiology, pathophysiology, pharmacology, and principles of anesthesia technology. Independent judgment is required for rapid response to quickly changing circumstances in the patient care environment.

Anesthesia Technologists exhibits professionalism in patient and staff interactions. Anesthesia technologists may work in a variety of clinical settings including: hospital operating rooms, interventional and diagnostic radiology, labor and delivery units, intensive care units, emergency rooms, outpatient procedure suites, and ambulatory surgery centers.

Graduates are eligible to take the national certification exam for Certified Anesthesia Technologist (Cer.A.T.T.) who

complete a minimum of an associate degree and major coursework completed from a CAAHEP accredited program. For more information, visit www.asatt.org.

The Certificate of Achievement is for students who have already obtained a minimum of an Associate Degree and have completed required preparatory science courses.

ADMISSION PROCEDURES AND REQUIREMENTS

Students are admitted into the program once each year. Admission to the Anesthesia Technology Program is by special application only. Special application forms are available from the Science/Math/Technology Division Office and the College website. See application for submission dates. Applicants who have previously applied, and wish to reapply, must submit updated application materials. Selection of students is based on criteria approved by the Skyline College Administration and consistent with State regulations. For further information on the Anesthesia Technology Program, please call 650-738-4310 or 650-738-4470. Admission to the Anesthesia Technology Program requires the following minimum entrance requirements:

- High school diploma or equivalent
- Algebra equivalent to MATH 110 or MATH 112
- Chemistry equivalent to CHEM 192 or CHEM 410
- CPR for Healthcare Provider equivalent to EMC. 425
- Human Anatomy equivalent to BIOL 250
- Medical Terminology equivalent to HSCI 484 or MEDA 484
- English: Eligibility for Skyline College ENGL 100 or equivalent
- Human Physiology equivalent to BIOL 260 (may be taken during the first semester of the program)

Communication in the operating room is of extreme importance. It is recommended that applicants be eligible for ENGL 100. Prior to starting classes, students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, a social security referenced background check, and drug test. All courses must be taken in sequence. Credit may be given for previous coursework. **A minimum grade of "C" is required in all Anesthesia Technology courses and prerequisites.**

Career Opportunities

1) Anesthesia Technician. 2) Lead Anesthesia Technician. 3) Anesthesia Technologist. 4) Anesthesia Technical Supervisor. 5) Anesthesia Technical Manager.

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate knowledge and competency in the role as an Anesthesia Technologist.

2. Complete requirements for eligibility for national certification in Anesthesia Technology.
3. Obtain gainful employment as a Certified Anesthesia Technologist.

		Units
ANST 400	Professional Aspects of Anesthesia Technology	2 units
ANST 405	Basic Principles of Anesthesia Technology	3 units
ANST 410	Basic Anesthesia Equipment	3 units
ANST 415	Anesthesia Pharmacology	3 units
ANST 420	Application of Principles in Anesthesia Technology	3 units
ANST 425	Anesthesia Technology Clinical Experience I	5 units
ANST 430	Advanced Anesthesia Equipment	3 units
ANST 435	Anesthesia Technology Clinical Experience II	5 units
ANST 440	Anesthesia Technology Examination and Review	3 units

Total Required Units: 30

CA Surgical Technology

For gainful employment information, see this program's [gainful employment website](#).

Required Courses		Units
SURG 440	Basic Sciences for Surgical Technology	6.5 units
SURG 441	Surgical Patient Care Concepts	5.5 units
SURG 442	Surgical Specialties	6 units
SURG 443	Clinical Practice for Surgical Technology	8 units
SURG 451	Surgical Skills Lab	5.5 units
SURG 455	Certified Surgical Technologist (CST) Exam Preparation	0.5 units
MEDA 415	Law and Ethics for Allied Health Professionals	2 units

Total Required Units: 34

CC Central Service Technology With Clinical Practice

SURG 448	Clinical Lab Practicum for Central Service Technology	2 units
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Total Required Units: 11.5

The Central Services Technology Program prepares graduates for employment in hospitals, outpatient surgery centers and private industry. Central Service Technicians, also known as Sterile Processing Technicians, process and distribute sterilized equipment and other supplies throughout the medical facility.

Certification Eligibility Requirements: Central Service Technician Program using the Core Curriculum of the International Association of Hospital Central Service Materials Management and which requires 400 hours of clinical practice. For more information, visit www.iahcsmm.org.

Central Service Technology has certification but does not have an accreditation body.

International Association of Healthcare Central Service Material Management (IAHCSMM)

213 West Institute Place, Suite 307

Chicago, IL 60610

Telephone: (800) 962-8274

Fax: (312) 440-9474

ADMISSION PROCEDURES AND REQUIREMENTS

Students are admitted into the program only once each year. The program will typically start in fall session and complete at the end of the following spring semester. Admission to the Central Service Technology Program is by special application only. Special application forms are available from the Science, Math, Technology Division Office and the College website. See application for submission dates. Applicants who have previously applied, and wish to reapply, must submit new application materials. Selection of students is based on criteria approved by the Skyline College Administration and consistent with State regulations.

Communication in the health care setting is an important component. It is recommended that applicants be eligible for ENGL 846. Prior to starting classes, students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, a social security referenced background check, and drug test. All courses must be taken in sequence. A minimum grade of "C" is required in all Central Service Technology courses.

For further information on the Central Service Technology Program, please call 738-4221 or 738-4470.

Required Courses	Units
SURG 445 Intro to Central Service Technology	6.5 units
SURG 446 Clinical Practice for CST	3 units