

Academic Programs



Academic Programs

All programs offered at Santa Monica College are designed to provide students with the necessary skills to compete successfully in related job markets and/or for transfer to a four-year college or university. Each career program has an advisory board composed of industry representatives to insure that the curricula are current and that they meet industry needs and standards.

Requirements for Degrees, Certificates of Achievement, and Department Certificates as well as requirements/recommendations for transfer preparation are available in the Transfer/Counseling Center and online. Students should note that completion of degree and/or certificate requirements may not adequately satisfy transfer major requirements. Students are **STRONGLY** encouraged to meet with a counselor to develop an academic program best suited for their transfer institution and intended major.

DEGREE AND CERTIFICATE REQUIREMENTS

General requirements for Degrees and Certificates can be found starting on page 32.

CATALOG RIGHTS

A student may satisfy the requirements of a degree or certificate that were in effect at any time of the student's continuous enrollment. Continuous enrollment is defined as enrollment in consecutive Fall and Spring semesters until completion.

CURRICULAR OFFERINGS

Below is a chart with SMC's curricular offerings. This can also be found online at smc.edu for easier and up-to-date access.

Areas of Study	Transfer Preparation, Degrees, and Certificates Offered (NOTE: Associate degrees require a minimum of 60 units including the Area of Emphasis and General Education)	Primary Academic Department(s)
Accounting	<ul style="list-style-type: none"> Transfer Preparation Accounting Associate Degree CPA Track (<i>formerly Professional Accountant</i>) Certificate of Achievement (24 units) Staff Accountant (<i>formerly General Accountant</i>) Certificate of Achievement (16 units) Business Bookkeeping (<i>formerly Computer Accounting</i>) Department Certificate (12 units) 	<ul style="list-style-type: none"> Business
Administration of Justice	<ul style="list-style-type: none"> Transfer Preparation Administration of Justice Associate Degree for Transfer 	<ul style="list-style-type: none"> Business
African and Middle Eastern Studies	<ul style="list-style-type: none"> African and Middle Eastern Studies Department Certificate (16 units) <i>See also Modern Languages</i> 	<ul style="list-style-type: none"> Modern Languages and Cultures
American Sign Language	<i>See Modern Languages</i>	<ul style="list-style-type: none"> Modern Languages and Cultures
Anatomy	<i>See Biological Sciences</i>	<ul style="list-style-type: none"> Life Sciences
Animation	<i>See Entertainment Technology</i>	<ul style="list-style-type: none"> Design Technology
Anthropology	<ul style="list-style-type: none"> Transfer Preparation Anthropology Associate Degree for Transfer Cultural Resource Management Department Certificate 	<ul style="list-style-type: none"> Earth Sciences
Arabic	<i>See Modern Languages</i>	<ul style="list-style-type: none"> Modern Languages and Cultures
Art	<ul style="list-style-type: none"> Transfer Preparation Studio Arts Associate Degree for Transfer Art Associate Degree 	<ul style="list-style-type: none"> Art
Art History	<ul style="list-style-type: none"> Transfer Preparation Art History Associate Degree for Transfer 	<ul style="list-style-type: none"> Art
Asian Studies	<ul style="list-style-type: none"> Asian Studies Department Certificate (16 units) <i>See also Modern Languages</i> 	<ul style="list-style-type: none"> Modern Languages and Cultures
Astronomy	<ul style="list-style-type: none"> Transfer Preparation 	<ul style="list-style-type: none"> Earth Sciences
Athletic Coaching	<ul style="list-style-type: none"> Athletic Coaching Associate Degree Athletic Coaching Certificate of Achievement (24 units) <i>See also Kinesiology/Physical Education</i> 	<ul style="list-style-type: none"> Kinesiology
Automotive Technology	<ul style="list-style-type: none"> Transfer Preparation Automotive Technician – Introductory Department Certificate (12 units) 	<ul style="list-style-type: none"> Business
Bicycle Maintenance – Noncredit	<ul style="list-style-type: none"> Bicycle Maintenance Certificate of Completion (Noncredit) 	<ul style="list-style-type: none"> Business

Areas of Study	Transfer Preparation, Degrees, and Certificates Offered (NOTE: Associate degrees require a minimum of 60 units including the Area of Emphasis and General Education)	Primary Academic Department(s)
Biological Sciences	<ul style="list-style-type: none"> • Transfer Preparation • Environmental Science Associate Degree • Environmental Science Certificate of Achievement (39 units) 	<ul style="list-style-type: none"> • Life Sciences
Biology	<i>See Biological Sciences</i>	<ul style="list-style-type: none"> • Life Sciences
Botany	<i>See Biological Sciences</i>	<ul style="list-style-type: none"> • Life Sciences
Broadcasting	<i>See Media Studies</i>	<ul style="list-style-type: none"> • Communication and Media Studies
Business	<ul style="list-style-type: none"> • Transfer Preparation • Business <ul style="list-style-type: none"> – Business Administration Associate Degree for Transfer – Business Associate Degree • Entrepreneurship <ul style="list-style-type: none"> – Entrepreneurship Certificate of Achievement (21-23 units) – Business: Entrepreneurship Department Certificate (12 units) – Business: Salon Entrepreneurship (see Cosmetology) • Insurance <ul style="list-style-type: none"> – Insurance Professional Associate Degree – Insurance Professional Certificate of Achievement (31 units) – Insurance Specialist Certificate of Achievement (12 units) • International <ul style="list-style-type: none"> – International Business Certificate of Achievement (24 units) – Business: International Department Certificate (12 units) • Logistics <ul style="list-style-type: none"> – Logistics and Supply Chain Management Associate Degree – Logistics and Supply Chain Management Certificate of Achievement (24 units) – Business: Logistics Department Certificate (12 units) • Management <ul style="list-style-type: none"> – Management/Leadership Associate Degree – Management/Leadership Certificate of Achievement (27 units) – Business: Management Department Certificate (12 units) • Marketing <ul style="list-style-type: none"> – Marketing Certificate of Achievement (24 units) – Business: Marketing Department Certificate (12 units) • Sales and Promotion <ul style="list-style-type: none"> – Sales and Promotion (<i>formerly Merchandising</i>) Associate Degree – Sales and Promotion (<i>formerly Merchandising</i>) Certificate of Achievement (24 units) – Business: Merchandising Department Certificate (12 units) 	<ul style="list-style-type: none"> • Business
Business – Noncredit	<ul style="list-style-type: none"> • Business Essentials Level 1 Certificate of Completion (Noncredit) 	<ul style="list-style-type: none"> • Business
Chemistry	<ul style="list-style-type: none"> • Transfer Preparation 	<ul style="list-style-type: none"> • Physical Sciences
Chinese	<i>See Modern Languages</i>	<ul style="list-style-type: none"> • Modern Languages and Cultures
Communication Studies	<ul style="list-style-type: none"> • Transfer Preparation • Communication Studies Associate Degree for Transfer • <i>See also Journalism</i> • <i>See also Media Studies</i> 	<ul style="list-style-type: none"> • Communication and Media Studies
Computer Information Systems	<ul style="list-style-type: none"> • Transfer Preparation • Computer Business Applications Associate Degree • Website Software Specialist Associate Degree • Computer Business Applications Certificate of Achievement (30 units) • Website Software Specialist Certificate of Achievement (31 units) • Digital Publishing Department Certificate (17 units) • Website Creator Department Certificate (15 units) • Website Development Management Department Certificate (13 units) 	<ul style="list-style-type: none"> • Computer Science and Information Systems

Areas of Study	Transfer Preparation, Degrees, and Certificates Offered (NOTE: Associate degrees require a minimum of 60 units including the Area of Emphasis and General Education)	Primary Academic Department(s)
Computer Science	<ul style="list-style-type: none"> • Transfer Preparation • Computer Programming Associate Degree • Computer Science Associate Degree • Database Applications Developer Associate Degree • Web Programmer Associate Degree • Computer Programming Certificate of Achievement (27 units) • Computer Science Certificate of Achievement (34 units) • Database Applications Developer Certificate of Achievement (33 units) • Web Programmer Certificate of Achievement (30 units) • Cloud Computing Department Certificate (15 units) • Entry Level Programmer Department Certificate (12 units) • Information Systems Management Department Certificate (13 units) • Mobile Apps Development – Android Department Certificate (15 units) • Mobile Apps Development – iPhone Department Certificate (12 units) • Networking Department Certificate (17 units) 	<ul style="list-style-type: none"> • Computer Science and Information Systems
Cosmetology	<ul style="list-style-type: none"> • Cosmetology Associate Degree • Cosmetology Certificate of Achievement (25.5 units) • Esthetician Department Certificate (12 units) • Nail Care Department Certificate (9 units) • Salon Business Department Certificate (11 units) 	<ul style="list-style-type: none"> • Cosmetology
Counseling		<ul style="list-style-type: none"> • Counseling
Counseling – Disabled Student Services		<ul style="list-style-type: none"> • Counseling – DSPS
Counseling –Disabled Student Services – Noncredit		<ul style="list-style-type: none"> • Counseling – DSPS
Counseling – Noncredit		<ul style="list-style-type: none"> • Counseling
Dance	<ul style="list-style-type: none"> • Transfer Preparation • Dance Associate Degree • Dance Teacher (Pre K-grade 5) Department Certificate (17 units) 	<ul style="list-style-type: none"> • Dance
Digital Media	<i>See Entertainment Technology</i>	<ul style="list-style-type: none"> • Design Technology
Early Childhood Education	<ul style="list-style-type: none"> • Transfer Preparation • Early Childhood Education Associate Degree for Transfer • Early Childhood Education – Career Associate Degree • Early Intervention Assistant Associate Degree • Infant/Toddler Teacher Associate Degree • Early Childhood Associate Teacher Certificate of Achievement (12 units) • Early Childhood Education – Career Certificate of Achievement (30 units) • Early Intervention Assistant Certificate of Achievement (33 units) • Infant/Toddler Teacher Certificate of Achievement (30 units) • Transitional Kindergarten Certificate of Achievement (24 units) • Early Childhood Education Core Department Certificate (12 units) 	<ul style="list-style-type: none"> • Education/Early Childhood
Early Childhood Education – Noncredit	<ul style="list-style-type: none"> • Introduction to Early Care and Education Certificate of Completion (Noncredit) 	<ul style="list-style-type: none"> • Education/Early Childhood
Economics	<ul style="list-style-type: none"> • Transfer Preparation • Economics Associate Degree for Transfer 	<ul style="list-style-type: none"> • Philosophy and Social Sciences
Education	<ul style="list-style-type: none"> • Transfer Preparation 	<ul style="list-style-type: none"> • Education/Early Childhood
Energy Efficiency	<ul style="list-style-type: none"> • Energy Efficiency Specialist Department Certificate (13 units) • <i>See also Photovoltaic Installation</i> 	<ul style="list-style-type: none"> • Earth Sciences
Engineering	<ul style="list-style-type: none"> • Transfer Preparation 	<ul style="list-style-type: none"> • Physical Sciences
English	<ul style="list-style-type: none"> • Transfer Preparation 	<ul style="list-style-type: none"> • English
English – Noncredit		<ul style="list-style-type: none"> • English
ESL – English as a Second Language		<ul style="list-style-type: none"> • ESL
ESL – Noncredit		<ul style="list-style-type: none"> • ESL

Areas of Study	Transfer Preparation, Degrees, and Certificates Offered (NOTE: Associate degrees require a minimum of 60 units including the Area of Emphasis and General Education)	Primary Academic Department(s)
Entertainment Technology	<ul style="list-style-type: none"> • Animation Associate Degree • Digital Media Associate Degree • Animation Certificate of Achievement (50 units) • Digital Media Certificate of Achievement (44 units) • 2D Animation Department Certificate (16 units) • 3D Animation Department Certificate (16 units) • 3D Modeling Department Certificate (16 units) • 3D Rendering Department Certificate (16 units) • Digital Effects Department Certificate (15 units) • 3D Game Design (<i>formerly Game Development</i>) Department Certificate (16 units) 	<ul style="list-style-type: none"> • Design Technology
Environmental Science	<ul style="list-style-type: none"> • Transfer Preparation • Environmental Science Associate Degree • Environmental Science Certificate of Achievement (39 units) 	<ul style="list-style-type: none"> • Life Sciences • Interdepartmental
Environmental Studies	<ul style="list-style-type: none"> • Transfer Preparation • Environmental Studies Associate Degree • Environmental Studies Certificate of Achievement (24 units) 	<ul style="list-style-type: none"> • Earth Sciences • Philosophy and Social Sciences • Interdepartmental
Ethnic Studies	<ul style="list-style-type: none"> • Transfer Preparation • Ethnic Studies Associate Degree • Ethnic Studies Certificate of Achievement (21 units) 	<ul style="list-style-type: none"> • English • History • Philosophy and Social Sciences • Interdepartmental
Fashion Design and Merchandising	<ul style="list-style-type: none"> • Transfer Preparation • Fashion Design Associate Degree • Fashion Merchandising Associate Degree • Fashion Design Certificate of Achievement (40 units) • Fashion Merchandising Certificate of Achievement (40 units) 	<ul style="list-style-type: none"> • Photography/Fashion
Film Production	<ul style="list-style-type: none"> • Film Production Associate Degree • Film Production Certificate of Achievement (30 units) 	<ul style="list-style-type: none"> • Communication and Media Studies
Film Studies	<ul style="list-style-type: none"> • Transfer Preparation • Film Studies Associate Degree 	<ul style="list-style-type: none"> • Communication and Media Studies
First Aid		<ul style="list-style-type: none"> • Kinesiology
French	<i>See Modern Languages</i>	<ul style="list-style-type: none"> • Modern Languages and Cultures
General Education	<ul style="list-style-type: none"> • Transfer Preparation • CSU GE Certificate of Achievement • IGETC Certificate of Achievement 	<ul style="list-style-type: none"> • Counseling
General Science	<i>See Science</i>	<ul style="list-style-type: none"> • Earth Sciences • Life Sciences • Physical Sciences • Interdepartmental
Geographic Information Systems (GIS)	<ul style="list-style-type: none"> • Transfer Preparation • Geospatial Technology Department Certificate (15 units) 	<ul style="list-style-type: none"> • Earth Sciences
Geography	<ul style="list-style-type: none"> • Transfer Preparation • Geography Associate Degree for Transfer • Geospatial Technology Department Certificate (15 units) 	<ul style="list-style-type: none"> • Earth Sciences
Geology	<ul style="list-style-type: none"> • Transfer Preparation 	<ul style="list-style-type: none"> • Earth Sciences
German	<i>See Modern Languages</i>	<ul style="list-style-type: none"> • Modern Languages and Cultures
Global Studies	<ul style="list-style-type: none"> • Transfer Preparation • Global Studies Associate Degree • Global Studies Certificate of Achievement (21 units) 	<ul style="list-style-type: none"> • Earth Sciences • Philosophy and Social Sciences • Interdepartmental
Graphic Design	<ul style="list-style-type: none"> • Transfer Preparation • Graphic Design Associate Degree • Graphic Design Certificate of Achievement (40 units) • User Experience Design Department Certificate (17 units) • Web Design Department Certificate (17 units) • <i>See also Interaction Design</i> 	<ul style="list-style-type: none"> • Design Technology
Health Education	<i>See Kinesiology / Physical Education, Nursing, Occupational Therapy, Respiratory Therapy</i>	<ul style="list-style-type: none"> • Kinesiology • Health Sciences

Areas of Study	Transfer Preparation, Degrees, and Certificates Offered (NOTE: Associate degrees require a minimum of 60 units including the Area of Emphasis and General Education)	Primary Academic Department(s)
Health Education – Noncredit	<ul style="list-style-type: none"> Rehabilitation Therapy Aide Certificate of Completion (Noncredit) 	<ul style="list-style-type: none"> Kinesiology Health Sciences
Hebrew	<i>See Modern Languages</i>	<ul style="list-style-type: none"> Modern Languages and Cultures
History	<ul style="list-style-type: none"> Transfer Preparation History Associate Degree for Transfer 	<ul style="list-style-type: none"> History
Humanities		<ul style="list-style-type: none"> English
Interaction Design	<ul style="list-style-type: none"> Interaction Design Bachelor Degree <i>See also Graphic Design</i> 	<ul style="list-style-type: none"> Design Technology
Interior Architectural Design	<ul style="list-style-type: none"> Transfer Preparation Interior Architectural Design Associate Degree Interior Architectural Design Certificate of Achievement (48 units) Digital Production and Design Department Certificate (15 units) Set Design and Art Direction for Film And TV Department Certificate (15 units) 	<ul style="list-style-type: none"> Design Technology
Italian	<i>See Modern Languages</i>	<ul style="list-style-type: none"> Modern Languages and Cultures
Japanese	<i>See Modern Languages</i>	<ul style="list-style-type: none"> Modern Languages and Cultures
Journalism	<ul style="list-style-type: none"> Transfer Preparation Journalism Associate Degree for Transfer Journalism – Multimedia Storytelling Associate Degree <i>See also Communication Studies</i> <i>See also Media Studies</i> 	<ul style="list-style-type: none"> Communication and Media Studies
Kinesiology/Physical Education	<ul style="list-style-type: none"> Transfer Preparation Kinesiology Associate Degree for Transfer Athletic Coaching Associate Degree Athletic Coaching Certificate of Achievement (24 units) 	<ul style="list-style-type: none"> Kinesiology
Korean	<i>See Modern Languages</i>	<ul style="list-style-type: none"> Modern Languages and Cultures
Latin American Studies	<ul style="list-style-type: none"> Latin American Studies Department Certificate (16 units) <i>See also Modern Languages</i> 	<ul style="list-style-type: none"> Modern Languages and Cultures
Liberal Arts	<ul style="list-style-type: none"> Transfer Preparation Liberal Arts – Arts and Humanities Associate Degree Liberal Arts – Social and Behavior Science Associate Degree 	<ul style="list-style-type: none"> Interdepartmental
Library Studies		<ul style="list-style-type: none"> Library
Linguistics	<ul style="list-style-type: none"> Transfer Preparation 	<ul style="list-style-type: none"> Modern Languages and Cultures
Mathematics	<ul style="list-style-type: none"> Transfer Preparation Mathematics Associate Degree for Transfer 	<ul style="list-style-type: none"> Mathematics
Media Studies	<ul style="list-style-type: none"> Broadcast Programming and Production Associate Degree Broadcast Sales and Management Associate Degree Entertainment Promotion/Marketing Production Associate Degree Broadcast Programming and Production Certificate of Achievement (20 units) Broadcast Sales and Management Certificate of Achievement (21 units) Entertainment Promotion/ Marketing Production Certificate of Achievement (24 units) <i>See also Communication Studies</i> <i>See also Journalism</i> 	<ul style="list-style-type: none"> Communication and Media Studies
Microbiology	<i>See Biological Sciences</i>	<ul style="list-style-type: none"> Life Sciences

Areas of Study	Transfer Preparation, Degrees, and Certificates Offered (NOTE: Associate degrees require a minimum of 60 units including the Area of Emphasis and General Education)	Primary Academic Department(s)
Modern Language courses offered in: <ul style="list-style-type: none"> • American Sign Language • Arabic • Chinese • French • German • Hebrew • Italian • Japanese • Korean • Persian • Portuguese • Russian • Spanish • Turkish 	<ul style="list-style-type: none"> • Transfer Preparation • Spanish Associate Degree for Transfer • African and Middle Eastern Studies Department Certificate (16 units) • Asian Studies Department Certificate (16 units) • Latin American Studies Department Certificate (16 units) • <i>See also Spanish</i> 	<ul style="list-style-type: none"> • Modern Languages and Cultures
Music	<ul style="list-style-type: none"> • Transfer Preparation • Option 1: Applied Music Associate Degree • Option 2: Music Associate Degree 	<ul style="list-style-type: none"> • Music
Nursing – Registered Nurse	<ul style="list-style-type: none"> • Nursing (ADN) Associate Degree 	<ul style="list-style-type: none"> • Health Sciences
Nursing – Noncredit		<ul style="list-style-type: none"> • Health Sciences
Nutrition and Dietetics	<ul style="list-style-type: none"> • Transfer Preparation • Nutrition and Dietetics Associate Degree for Transfer 	<ul style="list-style-type: none"> • Life Sciences
Occupational Therapy		<ul style="list-style-type: none"> • Health Sciences
Office Technology	<ul style="list-style-type: none"> • General Office Associate Degree • Legal Administrative Assistant Associate Degree • Medical Administrative Assistant Associate Degree • Medical Coding and Billing Specialist Associate Degree • General Office Certificate of Achievement (27 units) • Legal Administrative Assistant Certificate of Achievement (27 units) • Medical Administrative Assistant Certificate of Achievement (33 units) • Medical Coding and Billing Specialist Certificate of Achievement (36 units) • Clerical/Data Entry Department Certificate (12 units) • Electronic Medical Records Clerk Department Certificate (9 units) • Hospital Inpatient Coder Department Certificate (9 units) • Medical Billing/Coding Department Certificate (15 units) • Medical Records Clerk/Receptionist Department Certificate (15 units) • Medical Transcription Department Certificate (15 units) • Word Processing Department Certificate (12 units) • Customer Service Certificate of Completion (Noncredit) 	<ul style="list-style-type: none"> • Computer Science and Information Systems
Persian	<i>See Modern Languages</i>	<ul style="list-style-type: none"> • Modern Languages and Cultures
Philosophy	<ul style="list-style-type: none"> • Transfer Preparation 	<ul style="list-style-type: none"> • Philosophy and Social Sciences
Photography	<ul style="list-style-type: none"> • Transfer Preparation • Photography Associate Degree • Photography Certificate of Achievement (40 units) 	<ul style="list-style-type: none"> • Photography/Fashion
Photovoltaic Installation	<ul style="list-style-type: none"> • Solar Photovoltaic and Energy Efficiency Associate Degree • Solar Photovoltaic Installation Certificate of Achievement (14 units) • Basic Solar Photovoltaic Installation Department Certificate (8 units) • <i>See also Energy Efficiency</i> 	<ul style="list-style-type: none"> • Earth Sciences
Physics	<ul style="list-style-type: none"> • Transfer Preparation 	<ul style="list-style-type: none"> • Physical Sciences
Physiology	<i>See Biological Sciences</i>	<ul style="list-style-type: none"> • Life Sciences
Political Science	<ul style="list-style-type: none"> • Transfer Preparation • Political Science Associate Degree for Transfer • <i>See also Public Policy</i> 	<ul style="list-style-type: none"> • Philosophy and Social Sciences

Areas of Study	Transfer Preparation, Degrees, and Certificates Offered (NOTE: Associate degrees require a minimum of 60 units including the Area of Emphasis and General Education)	Primary Academic Department(s)
Political Science – Noncredit		<ul style="list-style-type: none"> Philosophy and Social Sciences
Portuguese	<i>See Modern Languages</i>	<ul style="list-style-type: none"> Modern Languages and Cultures
Professional Courses in Kinesiology/Physical Education	<ul style="list-style-type: none"> Athletic Coaching Associate Degree Athletic Coaching Certificate of Achievement (24 units) 	<ul style="list-style-type: none"> Kinesiology
Psychology	<ul style="list-style-type: none"> Transfer Preparation Psychology Associate Degree for Transfer 	<ul style="list-style-type: none"> Psychology
Public Policy	<ul style="list-style-type: none"> Public Policy Associate Degree Public Policy Certificate of Achievement (20 units) <i>See also Political Science</i> 	<ul style="list-style-type: none"> Philosophy and Social Sciences
Recycling and Resource Management	<ul style="list-style-type: none"> Recycling and Resource Management Associate Degree Recycling and Resource Management Certificate of Achievement (18 units) Recycling and Zero Waste Department Certificate (12 units) 	<ul style="list-style-type: none"> Earth Sciences
Religious Studies		<ul style="list-style-type: none"> English
Respiratory Therapy	<ul style="list-style-type: none"> Respiratory Therapy Associate Degree 	<ul style="list-style-type: none"> Health Sciences
Russian	<i>See Modern Languages</i>	<ul style="list-style-type: none"> Modern Languages and Cultures
Science	<ul style="list-style-type: none"> General Science Associate Degree 	<ul style="list-style-type: none"> Earth Sciences Life Sciences Physical Sciences Interdepartmental
Sociology	<ul style="list-style-type: none"> Transfer Preparation Sociology Associate Degree for Transfer 	<ul style="list-style-type: none"> Philosophy and Social Sciences
Spanish	<ul style="list-style-type: none"> Transfer Preparation Spanish Associate Degree for Transfer <i>See also Modern Languages</i> 	<ul style="list-style-type: none"> Modern Languages and Cultures
Student Activities		<ul style="list-style-type: none"> Counseling
Studio Arts	<i>See Art</i>	<ul style="list-style-type: none"> Art
Theatre Arts	<ul style="list-style-type: none"> Transfer Preparation Theatre Arts Associate Degree for Transfer Technical Theatre Associate Degree Theatre Associate Degree Technical Theatre Certificate of Achievement (19 units) 	<ul style="list-style-type: none"> Theatre Arts
Transfer	<i>See General Education</i> <i>See Liberal Arts</i> <i>See Science</i>	<ul style="list-style-type: none"> Interdepartmental
Turkish (see Modern Languages)	<i>See Modern Languages</i>	<ul style="list-style-type: none"> Modern Languages and Cultures
Urban Studies	<i>See Geography</i>	<ul style="list-style-type: none"> Earth Sciences
Varsity Intercollegiate Athletics		<ul style="list-style-type: none"> Athletics
Women's, Gender, and Sexuality Studies	<ul style="list-style-type: none"> Transfer Preparation Women's, Gender, and Sexuality Studies Associate Degree 	<ul style="list-style-type: none"> Philosophy and Social Sciences Interdepartmental
Zoology	<i>See Biological Sciences</i>	<ul style="list-style-type: none"> Life Sciences
PRE-PROFESSIONAL ADVISING FOR:	<ul style="list-style-type: none"> Chiropractic Dental Dental Hygiene Law Medical Pharmacy Physical Therapy Teacher Preparation Veterinary 	<ul style="list-style-type: none"> Available in the Transfer/Counseling Center or at smc.edu/articulation

Degrees, Certificates, and Transfer Preparation Information

Accounting

General accountants examine financial records of municipal, county, state, and federal agencies for compliance with laws. They record transactions, such as receivable, payable, payroll, property into a general ledger. Corporate accountants set up and design accounting/bookkeeping systems and procedures, risk management programs, tax law and finance methods, record financial transactions, and analyze and evaluate financial records for businesses. Their duties include interpreting financial information and preparing reports for business executives and government regulatory agencies. Advancement includes senior accountant, controller, treasurer, and chief financial officer positions.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Accounting Associate Degree (28 units)
- CPA Track (*formerly Professional Accountant*) Certificate of Achievement (24 units)
- Staff Accountant (*formerly General Accountant*) (*formerly Accounting*) Certificate of Achievement (16 units)
- Business Bookkeeping (*formerly Computer Accounting*) Department Certificate (12 units)
- Related Area of Study: Business

TRANSFER PREPARATION

Students planning to transfer to a four-year college or university should refer to the transfer preparation information under Business.

ACCOUNTING, ASSOCIATE DEGREE

This program is for bookkeepers and accounting clerks who want to advance to a higher professional level. Business owners can strengthen their businesses with best ethical practices and compliance with current accounting standards and laws. Accountants may acquire specialized knowledge of accounting, which includes the setting up and designing of an effective accounting system, the interpretation and preparation of financial and tax information, and the reporting for business executives, partnerships, and nonprofit and governmental agencies.

Program Learning Outcomes: Upon completion of the program, students will effectively comprehend, record, post, and summarize financial accounting information from an original business transaction through the preparation of financial statements and the closing entries at the end of an accounting cycle. Students will demonstrate the ability to prepare calculations and use financial information for business management and decision making.

Required Core Courses: (16 units)

- ACCTG 1, Introduction to Financial Accounting (5)
- ACCTG 2, Corporate Financial and Managerial Accounting (5)
- BUS 1, Introduction to Business (3)
- BUS 32, Business Communications (3)

Required Electives: (12 units required, with a minimum of 6 units from List A)

LIST A: Select 6 to 12 units:

- ACCTG 9, Accounting Ethics (3)

or

- BUS 62, Human Relations and Ethical Issues in Business (3)

- ACCTG 31A, Excel for Accounting (3)

or

- ACCTG 31B, Advanced Excel for Accounting (3)

or

- ACCTG 35, QuickBooks (3) (*same as CIS 35*)

- ACCTG 15, Individual Income Taxes (3)

- ACCTG 45, Individual Financial Planning (3) (*same as BUS 45*)

LIST B: Select a MAXIMUM of 7 units (if less than 12 units are completed from List A):

- ACCTG 6, Accounting Consolidations (3)

- ACCTG 7, Advanced Accounting: Special Topics (3)

- ACCTG 10A, Intermediate Accounting A (3)

- ACCTG 10B, Intermediate Accounting B (3)

- ACCTG 10C, Intermediate Accounting C (4)

- ACCTG 11, Cost Accounting (3)

- ACCTG 12, Auditing (3)

- ACCTG 16, Taxation of Corporations, Partnerships, Estates and Trusts (3)

- BUS 5, Business Law and the Legal Environment (3)

CPA TRACK (FORMERLY PROFESSIONAL ACCOUNTANT), CERTIFICATE OF ACHIEVEMENT

This program prepares holders of a Bachelor's degree to take the Certified Public Accountant (CPA) Board Exam. *For information on the CPA exam, please see the California Board of Accountancy website (dca.ca.gov/cba).*

Program Learning Outcomes: Upon completion of the program, students will demonstrate a range of accounting skills and an understanding of accounting concepts that encompass all areas tested on the Certified Public Accounting exam. These areas include GAAP, cost accounting, accounting for income taxes, accounting ethics, professional auditing responsibilities, and analysis of complex and advanced accounting topics.

Select 24 units from the following:

- ACCTG 1, Introduction to Financial Accounting (5)

- ACCTG 2, Corporate Financial and Managerial Accounting (5)

- ACCTG 6, Accounting Consolidations (3)

or

- ACCTG 7, Advanced Accounting: Special Topics (3)

- ACCTG 9, Accounting Ethics (3)

- ACCTG 10A, Intermediate Accounting A (3)

- ACCTG 10B, Intermediate Accounting B (3)

ACCTG 10C, Intermediate Accounting C (4)
 ACCTG 12, Auditing (3)
 ACCTG 15, Individual Income Taxes (3)
 ACCTG 16, Taxation of Corporations, Partnerships,
 Estates and Trusts (3)
 BUS 5, Business Law and the Legal Environment (3)

STAFF ACCOUNTANT (FORMERLY GENERAL ACCOUNTANT) (FORMERLY ACCOUNTING), CERTIFICATE OF ACHIEVEMENT

This program is for bookkeepers and accounting clerks who want to advance to a higher professional level. Business owners can strengthen their businesses with best practices and compliance with current accounting standards and laws. Students completing this Certificate of Achievement may wish to pursue the Accounting Associate degree by satisfying additional requirements.

Program Learning Outcomes: Upon completion of the program, students will effectively comprehend, record, post, and summarize financial accounting information from an original business transaction through the preparation of financial statements and the closing entries at the end of an accounting cycle. Students will demonstrate the ability to prepare calculations and use financial information for business management and decision making.

Required Core Courses: (16 units)

ACCTG 1, Introduction to Financial Accounting (5)
 ACCTG 2, Corporate Financial and Managerial Accounting (5)
 ACCTG 10A, Intermediate Accounting A (3)
 ACCTG 10B, Intermediate Accounting B (3)

BUSINESS BOOKKEEPING (FORMERLY COMPUTER ACCOUNTING), DEPARTMENT CERTIFICATE

This certificate is designed to provide students with basic accounting skills and knowledge necessary to obtain entry-level accounting and other accounting-support positions in small- and medium-size businesses.

Program Learning Outcomes: Upon completion of the program, students will demonstrate basic knowledge of computerized accounting application software, such as word processing, spreadsheet, and basic general ledger applications.

Required Courses: (12 units)

ACCTG 21, Business Bookkeeping (3)
 ACCTG 22, Advanced Bookkeeping (3)
 CIS 35, QuickBooks (3) (formerly same as ACCTG 35)

 ACCTG 31A, Excel for Accounting (3)
 or
 ACCTG 31B, Advanced Excel for Accounting (3)

Administration of Justice

The Associate in Science in Administration of Justice for Transfer (AS-T) involves the study of the functions and roles of the police, courts, and corrections. This course of study provides students the opportunity to acquire skills in research, information gathering, observation, analytical and critical thinking, and written and verbal communica-

tion. This major may lead to a career in law enforcement, private security, corrections, forensics, and related areas.

Programs Offered:

- Transfer Preparation
- Administration of Justice Associate Degree for Transfer

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

SMC offers the **Administration of Justice Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Administration of Justice AS-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/adt-search/search.shtml

- Bakersfield: Criminal Justice – Criminal Justice – General, BA
- Chico: Criminal Justice – Criminal Justice – General, BA
- East Bay: Criminal Justice – Criminal Justice – General, BS
- Fresno: Criminology – Criminology – Corrections, BS
- Fresno: Criminology – Criminology – Law Enforcement, BS
- Fresno: Criminology – Forensic Behavioral Science, BS
- Fresno: Criminology – Victimology, BS
- Fullerton: Criminal Justice – Criminal Justice – General, BA
- Humboldt: Criminology and Justice Studies – Criminology and Justice Studies – General, BA
- Humboldt: Political Science – Political Science – General, BA
- Long Beach: Criminology and Criminal Justice – Criminology and Criminal Justice, BS
- Los Angeles: Criminal Justice – General, BS

- Northridge: Criminology and Justice Studies – General, BA
- Sacramento: Criminal Justice Criminal Justice – General, BS
- San Bernardino: Criminal Justice – Pre-Criminal Justice, BA
- San Diego: Criminal Justice – Criminal Justice (Imperial Valley Campus), BS
- San Diego: Criminal Justice – Criminal Justice (San Diego Campus), BS
- San Francisco: Criminal Justice Studies – Criminal Justice Studies – General, BA
- San Jose: Humanities – Liberal Arts, BA
- San Jose: Justice Studies – Criminology, BS
- San Jose: Justice Studies – Justice Studies, BS
- Sonoma: Criminology and Criminal Justice Studies – Criminology and Criminal Justice Studies – General, BA
- Stanislaus: Criminal Justice – Corrections, BA
- Stanislaus: Criminal Justice – Criminal Legal Studies, BA
- Stanislaus: Criminal Justice – Juvenile Justice, BA
- Stanislaus: Criminal Justice – Law Enforcement, BA

ADMINISTRATION OF JUSTICE, ASSOCIATE DEGREE FOR TRANSFER

Upon completion of the Associate in Science in Administration of Justice (AS-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Completion of the degree indicates that the student will have satisfied the lower-division requirements for transfer into an Administration of Justice program for many campuses in the California State University system.

Program Learning Outcomes: Upon completion of the program, students will be able to evaluate complex issues in criminal justice from varying perspectives. Students will demonstrate an understanding of the functions of the police, courts, and corrections.

Required Core Courses: (6 units)

- AD JUS 1, Introduction to Administration of Justice (3)
- AD JUS 2, Concepts of Criminal Law (3)

List A: Select two courses (6 units)

- AD JUS 3, Legal Aspects of Evidence (3)
- AD JUS 5, Criminal Investigation (3)

List B: Select two courses (6 units)

- SOCIOL 1, Introduction to Sociology (3)
- or*
- SOCIOL 1s, Introduction to Sociology – Service Learning (3)
-
- SOCIOL 2, Social Problems (3)
- or*
- SOCIOL 2s, Social Problems – Service Learning (3)
-
- BUS 32, Business Communications (3)

- CIS 4, Business Information Systems with Applications (3)
- COM ST 11, Elements of Public Speaking (3)
- COM ST 12, Persuasion (3)
- COM ST 16, Fundamentals of Small Group Discussion (3)
- COM ST 21, Argumentation (3)
- ENGL 2, Critical Analysis and Intermediate Composition (3)
- ENGL 31, Advanced Composition (3)
- HIST 47, The Practice of History (3)
- MATH 2, Precalculus (5)
- MATH 7, Calculus 1 (5)
- MATH 21, Finite Mathematics (3)
- MATH 28, Calculus 1 for Business and Social Science (5)
- MATH 54, Elementary Statistics (4)
- PHILOS 7, Logic and Critical Thinking (3)
- PHILOS 9, Symbolic Logic (3)
- POL SC 1, National and California Government (3)
- PSYCH 1, General Psychology (3)
- SOCIOL 4, Sociological Analysis (3)

African and Middle Eastern Studies

See Modern Languages

American Sign Language

See Modern Languages

Anatomy

See Biological Sciences

Animation

See Entertainment Technology

Anthropology

Anthropologist is a general term for those who study human societies, both present and past. A Socio-cultural Anthropologist may work in a field such as development, community organizing, policy analysis, and social research. Linguistic Anthropologists may work in the areas of inter-cultural communication, language revitalization, and literacy programs. An emphasis in Archaeology lends itself to work in one of many Federal and State agencies and private cultural resource management firms. Biological and Medical Anthropologists work in the growing sector of health related occupations and research. Consultants are employed in historical and ethnographic research, forensic work, archaeological survey and excavation, museums and teaching.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Anthropology Associate Degree for Transfer

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system** has a **transfer pathway** for any UC campus that offers Anthropology. For more information, visit pathwaysguide.universityofcalifornia.edu

SMC offers the **Anthropology Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Anthropology AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/ad-search/search.shtml

- Bakersfield: Anthropology – General, BA
- Channel Islands: Anthropology – General, BA
- Chico: Anthropology – General, BA
- Dominguez Hills: Anthropology – Archaeology, BA
- Dominguez Hills: Anthropology – General Anthropology, BA
- East Bay: Anthropology – Archeology and Biological Anthropology, BA
- East Bay: Anthropology – Socio-Cultural Anthropology, BA
- Fresno: Anthropology, BA
- Fullerton: Anthropology – General, BA
- Humboldt: Anthropology – General, BA
- Long Beach: Anthropology – General, BA
- Los Angeles: Anthropology – General, BA
- Monterey Bay: Social and Behavioral Sciences – Anthropology, BA
- Northridge: Anthropology – General, BA
- Pomona: Anthropology – Cultural Resource Management, BS
- Pomona: Anthropology – General Anthropology, BS
- Sacramento: Anthropology – General, BA
- San Bernardino: Anthropology – General, BA
- San Diego: Anthropology – General, BA
- San Francisco: Anthropology – General, BA

- San Jose: Anthropology, BA
- San Jose: Behavioral Science – Behavioral Science, BA
- San Jose: Humanities – Liberal Arts, BA
- San Jose: Special Major – Organizational Studies, BA
- San Luis Obispo: Anthropology-Geography – Individualized Course of Study, BS
- San Marcos: Anthropology – Indigenous Anthropology, BA
- San Marcos: Anthropology – Medical Anthropology, BA
- Sonoma: Anthropology – General, BA
- Stanislaus: Anthropology – Archaeology, BA
- Stanislaus: Anthropology – Ethnology, BA
- Stanislaus: Anthropology – General, BA
- Stanislaus: Anthropology – Physical Anthropology – Forensic, BA
- Stanislaus: Anthropology – Physical Anthropology – Medical, BA

ANTHROPOLOGY, ASSOCIATE DEGREE FOR TRANSFER

The Associate in Arts in Anthropology for Transfer (AA-T) involves the critical examination of human societies, both present and past. It provides basic information about humankind and is designed to stimulate critical thinking about ways of living in the world. The courses of this degree address the four sub-disciplines of Anthropology which attempt to understand basic aspects of humankind. Cultural Anthropology studies human behavior to understand the cultural values that guide the behaviors. Archaeology examines the material record of human activity in order to understand how ideas change over time. Anthropological Linguistics is the study of the human capacity for language and its use. Physical Anthropology (also called Biological Anthropology) is the study of human evolution which includes human biological diversity.

Upon completion of the Associate in Arts in Anthropology for Transfer (AA-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Students who have completed the Associate in Arts for Transfer in Anthropology will have satisfied the lower-division requirements for transfer into Anthropology or similar majors for many campuses in the California State University system.

Program Learning Outcomes: Upon completion of the program, students will demonstrate: recognition of the interrelationship between humans and their physical environment; recognition and appreciation as valid people's variable language histories and experiences; recognition of the value of the archaeological and fossil records; utility of the scientific method in observations of human attributes (biology, behavior, language, artifacts); and the ability to suspend judgment and understand people within the context of their opportunities and challenges.

Required Core Course: (9 units)

ANTHRO 1, Physical Anthropology (3)

or

ANTHRO 5, Physical Anthropology with Lab (4)

ANTHRO 2, Cultural Anthropology (3)

ANTHRO 4, Methods of Archaeology (3)

AREA A: Select at least 1 course from the following: (3 units)

ANTHRO 7, Introduction to Linguistic Anthropology (3)

ANTHRO 22, Magic Religion and Witchcraft (3)

ENGL 2, Critical Analysis and Intermediate Composition (3)

ENGL 31, Advanced Composition (3)

GEOG 1, Introduction to the Natural Environment (3)

GEOG 2, Introduction to Human Geography (3)

HIST 47, The Practice of History (3)

MATH 54, Elementary Statistics (5)

AREA B: Select at least 1 course from the following: (3 units)

ANY COURSE NOT USED IN AREA A

ANATMY 1, Human Anatomy (4)

GEOG 20, Introduction to Geographic Information Systems (3) (*same as GIS 20*)

GEO 4, Physical Geology with Laboratory (4)

GEO 5, Earth History (4)

PHILOS 6, Philosophy of Science (3)

PSYCH 7, Research Methods in Psychology (3)

AREA C: Select at least 1 course from the following:

ANY COURSE NOT USED IN AREA A OR AREA B

ANTHRO 3, 9, 10, 14, 19, 20, 21, 35s

AHIS 11, 71, 72

COM ST 14, 37

DANCE 2

ECE 11

ECON 5 (*same as POL SC 5 and GLOBAL 5*)

ENGL 9, 10, 34, 41, 53, 54

FILM 7

GEOG 8 (*same as URBAN 8*), 11 (*same as GLOBAL 11*), 14

GLOBAL 10

HIST 10, 16, 33, 34, 38, 39, 41, 42, 43, 62

MEDIA 10

MUSIC 33, 37

NUTR 7

POL SC 21

SOCIOL 1, 1s, 2, 2s, 30, 31, 32, 34

- Studio Arts Associate Degree for Transfer
- Art Associate Degree
- Related Program: Art History

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

In addition to meeting academic requirements, most universities and art schools require prospective students to submit a portfolio with evidence of individual style and concepts for admission to be presented to the Art Department of each institution they apply to for admission.

It is highly recommended that students follow the **"FOR TRANSFER CONSIDERATION AND PORTFOLIO DEVELOPMENT IN ART"** with Elective Areas of Specialization prepared by the SMC Art Department. These recommendations may be found below, in the Transfer/Counseling Center, the Art Department, and online at smc.edu/articulation. The recommendations will help students to develop a successful portfolio for transfer.

In addition, students should make an appointment with the institution of their choice to find out about specific courses and portfolio projects needed for transfer.

SMC offers the **Studio Arts Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Studio Arts AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/adt-search/search.shtml

- Bakersfield: Art – Art (Studio/Professional Performance), BA
- Channel Islands: Art – Studio Art, BA
- Chico: Art – Art Studio, BA
- Dominguez Hills: Art – Art History, BA
- Dominguez Hills: Art – Design Option, BA
- East Bay: Art – Art Studio, BA
- East Bay: Art – Graphic Design (Electronic Art), BA
- East Bay: Art – Multimedia, BA
- East Bay: Art – Photography, BA

Arabic

See *Modern Languages*

Art

Artists express their thoughts and feelings by creating fine art works that are primarily intended for aesthetic enjoyment. Related career titles include advertising artist or designer, art administrator, furniture designer, illustrator, courtroom sketcher, medical illustrator, animator and toy designer. Some organizations that typically employ art majors include: studios, museums, auction houses, art councils, educational institutions, hospitals, interior design departments, advertising agencies, and film and media production companies.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation

Transfer and program requirements are subject to change. For the most up-to-date information regarding transfer preparation visit assist.org and regarding degree and certificate requirements visit smc.edu/articulation.

- East Bay: Art – Pictorial Arts (Drawing/Painting/Printmaking), BA
- East Bay: Art – Spatial Arts (Ceramics/Sculpture), BA
- Fresno: Art, BA
- Fresno: Graphic Design – Graphic Design, BFA
- Fullerton: Art – General Studio Art, BA
- Humboldt: Art – Art Studio, BA
- Long Beach: Art – Studio Art, BA
- Los Angeles: Art – Studio Arts, BA
- Monterey Bay: Visual and Public Art – Visual and Public Art – General, BA
- Northridge: Art – General, BA
- Sacramento: Art – Art Studio, BA
- San Bernardino: Art – Studio Art, BA
- San Diego: Art – Studio Arts, BA
- San Francisco: Art – Art Education, BA
- San Francisco: Art – Art History and Studio Art, BA
- San Francisco: Art – Studio Art, BA
- San Jose: Art – Studio Practice, BA
- San Jose: Creative Arts – Creative Arts, BA
- San Jose: Humanities – Liberal Arts, BA
- San Marcos: Visual and Performing Arts – Arts and Technology, BA
- San Marcos: Visual and Performing Arts – Visual Arts, BA
- Sonoma: Art – Art Studio, BA
- Stanislaus: Art – Studio, BA

STUDIO ARTS, ASSOCIATE DEGREE FOR TRANSFER

Upon completion of the Associate in Arts in Studio Arts for Transfer (AA-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Completion of the degree indicates that the student will have satisfied the lower-division requirements for transfer into Studio Arts or similar majors for many campuses in the California State University system.

Program Learning Outcomes: Upon completion of this program, students will be able to demonstrate an ability to work with contemporary visual ideas and their solutions as they apply to studio practice; have an understanding of conceptual thinking and the ability to communicate their ideas using research that will include media, visual culture, art history, history, and an understanding of the importance of verbal and written skills; and develop strong visualization skills, professional attitude, and a portfolio that supports their goals.

Required Core Courses: (12 units)

- AHIS 2, Western Art History II (3)
- ART 10A, Design I (3)
- ART 13, 3-D Design (3)
- ART 20A, Drawing I (3)

LIST A: Select 1 course from the following: (3 units)

- AHIS 1, Western Art History I (3)
- AHIS 3, Western Art History III (3)
- AHIS 17, Arts of Asia – Prehistory to 1900 (3)

LIST B: Select 3 courses from the following: (9 units)

- ART 10B, Design 2 (3)
- ART 10C, Computer Design (3)
- ART 15, Lettering (3)
- ART 17A, 3-D Jewelry Design 1 (3)
- ART 17B, 3-D Jewelry Design 2 (3)

- ART 20B, Drawing 2 (3)
- ART 20C, Digital Drawing (3)
- ART 21A, Drawing 3 (3)
- ART 21B, Drawing 4 (3)
- ART 30A, Beginning Water Color Painting I (3)
- ART 30B, Watercolor Painting II (3)
- ART 30C, Acrylic Painting Techniques (3)
- ART 31, Beginning Painting (3)
- ART 32, Intermediate Painting (3)
- ART 33, Advanced Painting (3)
- ART 35, Airbrush Techniques (3)
- ART 40A, Sculpture 1 (3)
- ART 40B, Sculpture 2 (3)
- ART 40C, Sculpture 3 (3)
- ART 41A, Figure Sculpture I (3)
- ART 41B, Figure Modeling Sculpture II (3)
- ART 43A, Glass Sculpture 1 (3)
- ART 52A, Ceramics I (3)
- ART 52B, Ceramics II (3)
- ART 60, Introduction to Printmaking (3)
- ART 61A, Etching I (3)
- ART 61B, Advanced Etching (3)
- ART 62, Serigraphy (Silkscreen) (3)
- ART 63, Lithography (3)

ART, ASSOCIATE DEGREE

Program Learning Outcomes: Upon completion of the program, students will demonstrate an appreciation and understanding of Art and Art History in order to develop creative and critical thinking solutions to various Art and Art History issues. Students will look at an artistic situation, whether in implementation or analysis, in order to develop and create a strategy for its solution.

Required Core Courses: (6 units)

- ART 10A, Design I (3)
- ART 20A, Drawing I (3)

Select 2 Core Courses from the following: (6 units)

- AHIS 1, Western Art History I (3)
- AHIS 2, Western Art History II (3)
- AHIS 3, Western Art History III (3)
- AHIS 5, Latin American Art History 1 (3)
- AHIS 6, Latin American Art History 2 (3)
- AHIS 15, Mexican Art History (3)
- AHIS 17, Arts of Asia – Prehistory to 1900 (3)
- AHIS 18, Introduction to African Art History (3)
- AHIS 72, American Art History (3)

Required Foundation Courses: (9 units required; it is strongly recommended that the foundation courses be taken after completion of core courses):

Required Core Courses: (9 units)

- ART 10B, Design II (3)
- ART 20B, Drawing II (3)
- ART 21A, Drawing III (3)

Select 1 Foundation Course from the following: (3 units)

- ART 13, 3-D Design (3)
- ART 40A, Sculpture I (3)
- ART 52A, Ceramics I (3)

For Transfer Consideration and Portfolio Development In Art

In addition to the required courses of the Art degree above, the SMC Art Department recommends the follow-

ing courses of study for transfer consideration and portfolio development:

Painting/Drawing/Printmaking Emphasis:

- ART 21B, Drawing IV (3)
- ART 30A, Beginning Watercolor Painting I (3)
- ART 30B, Watercolor Painting II (3)
- ART 30C, Acrylic Painting Techniques (3)
- ART 32, Intermediate Painting (3)
- ART 33, Advanced Painting (3)
- ART 35, Airbrush Techniques (3)
- ART 60, Introduction to Printmaking (3)
- ART 61A, Etching (3)
- ART 61B, Advanced Etching (3)
- ART 62, Serigraphy (Silkscreen) (3)
- ART 63, Lithography (3)

Contemporary Art Practice & Theory Emphasis:

- ART 34B, Contemporary Art Theory & Practice II (3)

Fine Arts Emphasis:

- ART 13, 3-D Design (3)
- ART 32, Intermediate Painting (3)
- ART 33, Advanced Painting (3)
- ART 40A, Sculpture I (3)

New Technologies Emphasis:

- ART 20C, Digital Drawing (3)
- PHOTO 1, Introduction to Photography (3)
- PHOTO 2, Basic Photo Lab Techniques (3)

Printmaking Emphasis:

- ART 60B, Introduction to Digital Printing (3)
- ART 62, Serigraphy (Silkscreen) (3)

Select 1 additional course from the following:

- AHIS 3, Western Art History III (3)
- AHIS 52, History of Photography (3) (*same as PHOTO 52*)
- AHIS 72, American Art History (3)

Design with a Digital Technologies Emphasis:

- ART 15, Lettering (3)
- ART 20C, Digital Drawing (3)
- ART 21B, Drawing IV (3)
- ART 30A, Beginning Water Color Painting I (3)
- ART 30B, Watercolor Painting II (3)
- ART 30C, Acrylic Painting Techniques (3)
- ART 34B, Contemporary Art Theory & Practice II (3)
- ART 60B, Introduction to Digital Printing (3)
- ART 61A, Etching (3)
- ART 61B, Advanced Etching (3)
- ART 62, Serigraphy (Silkscreen) (3)
- ART 63, Lithography (3)

3-D/Ceramics and Sculpture Emphasis:

- ART 13, 3-D Design (3)
- ART 17A, 3-D Jewelry Design I (3)
- ART 17B, 3-D Jewelry Design II (3)
- ART 40A, Sculpture I (3)
- ART 40B, Sculpture II (3)
- ART 40C, Sculpture III (3)
- ART 41A, Figure Modeling Sculpture I (3)
- ART 41B, Figure Modeling Sculpture II (3)
- ART 43A, Glass Sculpture I (3)
- ART 43B, Glass Sculpture II (3)
- ART 52A, Ceramics I (3)
- ART 52B, Ceramics II (3)
- ART 52C, Ceramics III (3)

Art History

Art history is the study of art created in the past by individuals from various cultures and parts of the world. It is the study of the historical development of art as social and intellectual phenomenon, the analysis of works of art and art conservation. Students study specific periods, cultures, styles and themes. The art historian seeks to interpret and understand works of art of many types, ranging from the monumental to small scale, by learning about artists' lives and their societies. Students are prepared for a wide range of professional careers – in museums, galleries, auction houses or publishing, including antique dealer, art appraiser, art dealer, art restorer and museum curator.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Art History Associate Degree for Transfer

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

SMC offers the **Art History Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Art History AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/adt-search/search.shtml

- Bakersfield: Art – Art History, BA
- Channel Islands: Art – Art History, Digital Art, BA
- Channel Islands: Art – Art History, Enhanced Studio, BA
- Channel Islands: Art – Art History, General, BA
- Chico: Art – Art History, BA
- Dominguez Hills: Art – Art History, BA
- East Bay: Art – Art History, BA
- Fresno: Art, BA
- Fullerton: Art – Art History, BA

- Humboldt: Art – Art History, BA
- Long Beach: Art – Art History, BA
- Los Angeles: Art – Art History, BA
- Monterey Bay: Visual and Public Art – Visual and Public Art – General, BA
- Northridge: Art – General, BA
- Pomona: Art History – General, BA
- Sacramento: Art – Art History, BA
- San Bernardino: Art – Art History, BA
- San Diego: Art – Art History, BA
- San Francisco: Art – Art History, BA
- San Francisco: Art – Art History and Studio Art, BA
- San Francisco: Art – Studio Art, BA
- San Francisco: Humanities – Humanities – General, BA
- San Jose: Art – Art History and Visual Culture, BA
- San Jose: Creative Arts – Creative Arts, BA
- San Jose: Humanities – Liberal Arts, BA
- San Marcos: Visual and Performing Arts – Visual Arts, BA
- Sonoma: Art History – General, BA
- Stanislaus: Art – Art History, BA

ART HISTORY, ASSOCIATE DEGREE FOR TRANSFER

Program Learning Outcomes: Upon completion of the program, students will have proficiency in the written and verbal critical analysis of diverse visual cultures and artworks, demonstrate the basics of aesthetic formal analysis, and gain the vocabulary necessary to conduct a coherent critical investigation of artworks in both written and verbal form, as well as the ability to situate those artworks within a social context and a historical chronology. Additionally, students will demonstrate the ability to explore the function of aesthetic objects, the materials and techniques of artistic production, systems of patronage, the conventions of representation, and the relationship between art, politics, race, gender, sexuality, and power.

Required Core Courses: (9 units)

- AHIS 1, Western Art History I (3)
- AHIS 2, Western Art History II (3)
- ART 20A, Design I (3)

*LIST A: Select 1 course from the following: (3 units)**

- AHIS 5, Latin American Art History 1 (3)
- AHIS 6, Latin American Art History 2 (3)
- AHIS 15, Mexican Art History (3)
- AHIS 17, Art of Asia – Prehistory to 1900 (3)
- AHIS 18, Introduction to African Art History (3)

**Students who completed Art History 11 Fall 2012 through Fall 2013 and have maintained continuous enrollment may use it to fulfill this area requirement.*

LIST B: Select 1 course from the following: (3 units)

- ART 10A, Design I (3)
- ART 13, 3-D Design (3)
- ART 21A, Drawing 3 (3)
- ART 21B, Drawing IV (3)
- ART 40A, Sculpture I (3)
- ART 40B, Sculpture II (3)
- ART 40C, Sculpture III (3)
- ART 52A, Ceramics I (3)
- ART 52B, Ceramics II (3)
- ART 52C, Ceramics III (3)
- PHOTO 1, Introduction to Photography (3)

LIST C: Select one course from the following: (3-5 units)

Students may select any course not already used in List A or B, or one course that meets the following criteria:

- ART 10B, Design 2 (3)
- ART 10C, Computer Design (3)
- ART 15, Lettering (3)
- ART 17A, 3-D Jewelry Design (3)
- ART 17B, 3-D Jewelry Design (3)
- ART 20B, Drawing II (3)
- ART 20C, Digital Drawing (3)
- ART 21A, Drawing III (3)
- ART 21B, Drawing IV (3)
- ART 30A, Beginning Watercolor Painting I (3)
- ART 30B, Watercolor Painting II (3)
- ART 30C, Acrylic Painting Techniques (3)
- ART 31, Beginning Oil Painting (3)
- ART 32, Intermediate Oil Painting (3)
- ART 33, Advanced Oil Painting (3)
- ART 34A, Contemporary Art Theory and Practice I (3)
- ART 34B, Contemporary Art Theory and Practice II (3)
- ART 35, Airbrush Techniques (3)
- ART 40B, Sculpture 2 (3)
- ART 40C, Sculpture 3 (3)
- ART 41A, Figure Modeling Sculpture I (3)
- ART 41B, Figure Modeling Sculpture II (3)
- ART 43A, Glass Sculpture I (3)
- ART 43B, Glass Sculpture II (3)
- ART 52B, Ceramics II (3)
- ART 52C, Ceramics III (3)
- ART 60, Introduction to Printmaking (3)
- ART 60B, Introduction to Digital Printing (3)
- ART 61A, Etching (3)
- ART 61B, Advanced Etching (3)
- ART 62, Serigraphy (Silkscreen) (3)
- ART 63, Lithography (3)
- Any CSU transferable AHIS course
- Any Art or Humanities course articulated as CSU GE, Area C1 or IGETC Area 3A;
- Any course articulated as CSU GE, Area C1 or IGETC Area 3B in a language other than English (except ASL); Art, History, Humanities, Philosophy; Religion/Religious Studies;
- Any course articulated as CSU GE, Area D1, D3, D4, or D6 or IGETC Area 4 courses in Anthropology and Archeology, Ethnic Studies, Gender Studies, History.

Asian Studies

See *Modern Languages*

Astronomy

Astronomers study the solar system, stars, galaxies, and space using principles of physics and mathematics. Their work adds to the basic scientific knowledge about the nature of the universe and also provides a basis for improvement in such areas as aircraft navigation and satellite communication. They study planets, stars, novae, and colliding gases between stars in an attempt to find out how they were formed, what they are made of, and how they change. They measure light, radio and x-ray emissions

from space sources. Astronomers can advance to director of an observatory or science center.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Related Area of Study: Physics
- Related Program: Science: General Science Associate Degree

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. Astronomy is typically affiliated with the Physics and Astrophysics fields. Therefore students are encouraged to explore those areas for transfer opportunities as well. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

Athletic Coaching

See *Kinesiology/Physical Education*

Automotive Technician

This area of study is offered through the SMC Business Department.

Programs Offered:

- Transfer Preparation
- Automotive Technician – Introductory Department Certificate (12 units)

TRANSFER PREPARATION

Students seeking a baccalaureate in this area of study are encouraged to review the Bachelor of Science in Automotive Technology offered by Rio Hondo College at riohondo.edu/autotechbachelor

AUTOMOTIVE TECHNICIAN – INTRODUCTORY, DEPARTMENT CERTIFICATE

Students who complete this short-term program may work in positions troubleshooting and repairing electronic and mechanical vehicle problems. Employees in these basic positions in today's automotive maintenance shop operate sophisticated tools and equipment and practice safe work practices under the guidance of more experienced technicians. Students wishing to take more advanced training may transfer their SMC courses to Rio Hondo College and to Cerritos College's Advanced Transportation Program.

Students must petition the Business Department to obtain this Department Certificate.

Program Learning Outcomes: Upon completion of the program, students will be able to apply basic diagnostic techniques, maintenance procedures, and repair skills to automotive electrical, braking, and suspension and steering systems.

Required Courses:

- AUTO 40, Automotive Maintenance and Operations (3)
- AUTO 45, Automotive Braking Systems (3)
- AUTO 46, Automotive Electrical Systems (3)
- AUTO 47, Suspension and Steering (3)

Biological Sciences

This major can lead to many biological science careers. Medical laboratory technicians work in a clinical laboratory and perform routine tests to obtain data used by physicians and other medical staff in the prevention, diagnosis, and treatment of illness. Bioscience technicians conduct tests and analyze data for use in research and production. Some additional careers include genetic counselors, environmental health specialists, medical illustrators, microbiologists, toxicologists, wildlife biologists, and teachers.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Related Program: Environmental Science
- Related Program: Science: General Science

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system** has a transfer pathway for any UC campus that offers Biochemistry, Biology, Cell Biology, and Molecular Biology. For more information, visit pathwaysguide.universityofcalifornia.edu

PLEASE NOTE: Due to the competitive nature of Biology, students are advised to complete as many lower-division courses as possible prior to transfer. Please see a counselor for more information.

Biology

See *Biological Sciences*

Botany

See *Biological Sciences*

Broadcasting

See *Media Studies*

Business

Business Managers coordinate business activities in both private industry and public agencies. They are responsible for operations, maintenance, purchasing, planning, organizing, budgeting, and directing the work of the employees. Business executives are the higher-level management staff, directing the activities of the firm. They develop and administer policies to maximize profits. They also direct financial programs and develop policies aimed at maintaining good relations with the public, stockholders, employees, and customers.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation

Degrees and Certificates

- Business (General)
 - Business Administration Associate Degree for Transfer
Students may satisfy the requirements of this degree with approved courses (which may be fewer units) taken at other California Community Colleges. The courses below are SMC courses. If completed entirely at SMC, the Area of Emphasis requires 29 units.
 - Business Associate Degree
- Entrepreneurship
 - Entrepreneurship Certificate of Achievement (21-23 units)
 - Business: Entrepreneurship Department Certificate (12-14 units)
 - Business: Salon Entrepreneurship (see Cosmetology)
- Insurance
 - Insurance Professional Associate Degree
 - Insurance Professional Certificate of Achievement (31 units)
 - Insurance Specialist Certificate of Achievement (12 units)
- International
 - International Business Certificate of Achievement (24 units)
 - Business: International Department Certificate (12 units)
- Logistics
 - Logistics/Supply Chain Management Associate Degree
 - Logistics/Supply Chain Management Certificate of Achievement (24 units)
 - Business: Logistics and Supply Management Department Certificate (12 units)

- Management
 - Management/Leadership Associate Degree
 - Management/Leadership Certificate of Achievement (27 units)
 - Business: Management Department Certificate (12 units)
- Marketing
 - Marketing Certificate of Achievement (24 units)
 - Business: Marketing Department Certificate (12 units)
- Sales and Promotion
 - Sales and Promotion (*formerly Merchandising*) Associate Degree
 - Sales and Promotion (*formerly Merchandising*) Certificate of Achievement (24 units)
 - Business: Sales and Promotion (*formerly Merchandising*) Department Certificate (12 units)

NOTE: There are three or four Core courses in all Business Certificates of Achievement (except Insurance Specialist). These Core courses are required for all students, and should be completed BEFORE taking Concentration courses. Moreover, Business 1 should be completed BEFORE enrolling in other Core courses.

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system** has a transfer pathway for any UC campus that offers Business Administration. For more information, visit pathwaysguide.universityofcalifornia.edu

SMC offers the **Business Administration Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Business Administration AS-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/adt-search/search.shtml

- Bakersfield: Business Administration – Accounting, BS
- Bakersfield: Business Administration – Agricultural Business, BS
- Bakersfield: Business Administration – Finance, BS

Transfer and program requirements are subject to change. For the most up-to-date information regarding transfer preparation visit assist.org and regarding degree and certificate requirements visit smc.edu/articulation.

- Bakersfield: Business Administration – General, BS
- Bakersfield: Business Administration – Human Resource Management, BS
- Bakersfield: Business Administration – Management, BS
- Bakersfield: Business Administration – Marketing, BS
- Bakersfield: Business Administration – Public Administration, BS
- Bakersfield: Business Administration – Small Business Management, BS
- Bakersfield: Business Administration – Supply Chain Logistics, BS
- Channel Islands: Business – General, BS
- Chico: Business Administration – Accounting, BS
- Chico: Business Administration – Entrepreneurship and Small Business Management, BS
- Chico: Business Administration – Finance, BS
- Chico: Business Administration – Human Resource Management, BS
- Chico: Business Administration – Management, BS
- Chico: Business Administration – Marketing, BS
- Chico: Business Administration – Project Management, BS
- Dominguez Hills: Business Administration – General Business, BS
- East Bay: Business Administration – General Management, BS
- Fresno: Business Administration – Accountancy, BS
- Fresno: Business Administration – Business Administration-Special Option, BS
- Fresno: Business Administration – Computer Information Systems, BS
- Fresno: Business Administration – Entrepreneurship, BS
- Fresno: Business Administration – Finance, BS
- Fresno: Business Administration – Human Resource Management, BS
- Fresno: Business Administration – International Business Option, BS
- Fresno: Business Administration – Logistics and Supply Chain Strategies, BS
- Fresno: Business Administration – Management, BS
- Fresno: Business Administration – Marketing, BS
- Fresno: Business Administration – Real Estate and Urban Land Economics, BS
- Fullerton: Business Administration – Business Administration – General, BA
- Fullerton: Business Administration – Business Economics, BA
- Fullerton: Business Administration – Entertainment & Hospitality Management, BA
- Fullerton: Business Administration – Entrepreneurship, BA
- Fullerton: Business Administration – General Management, BA
- Fullerton: Business Administration – Human Resource Management, BA
- Fullerton: Business Administration – Legal Studies, BA
- Fullerton: Business Administration – Marketing, BA
- Fullerton: Business Administration – Operations and Supply Chain Management, BA
- Fullerton: Business Administration – Risk Management and Insurance, BA
- Fullerton: Economics – Economics – General, BA
- Fullerton: International Business – Global Trade, BA
- Fullerton: International Business – International Business – General, BA
- Humboldt: Business Administration – Accounting, BS
- Humboldt: Business Administration – Finance, BS
- Humboldt: Business Administration – International Business, BS
- Humboldt: Business Administration – Management, BS
- Humboldt: Business Administration – Marketing, BS
- Long Beach: Business Administration – Accounting, BS
- Long Beach: Business Administration – Finance, BS
- Long Beach: Business Administration – Human Resources Management, BS
- Long Beach: Business Administration – International Business, BS
- Long Beach: Business Administration – Management, BS
- Long Beach: Business Administration – Management Information Systems, BS
- Long Beach: Business Administration – Marketing, BS
- Long Beach: Business Administration – Operations and Supply Chain Management, BS
- Los Angeles: Business Administration – Accounting, BS
- Los Angeles: Business Administration – Business Arts-Prelegal, BS
- Los Angeles: Business Administration – Business Economics, BS
- Los Angeles: Business Administration – Business, Special Interest, BS
- Los Angeles: Business Administration – Entrepreneurship, BS
- Los Angeles: Business Administration – Finance, BS
- Los Angeles: Business Administration – Human Resources Management, BS
- Los Angeles: Business Administration – International Business, BS
- Los Angeles: Business Administration – Management, BS
- Los Angeles: Business Administration – Marketing, BS
- Los Angeles: Business Administration – Operations and Supply Chain Management, BS
- Los Angeles: Business Administration – Real Estate, BS
- Los Angeles: Business Administration – Retailing, BS
- Maritime Academy: Business Administration – General, BS
- Monterey Bay: Business Administration – Accounting, BS
- Monterey Bay: Business Administration – Agribusiness, BS
- Monterey Bay: Business Administration – Entrepreneurship, BS
- Monterey Bay: Business Administration – Information Systems, BS
- Monterey Bay: Business Administration – Management and International Business, BS
- Monterey Bay: Business Administration – Marketing, BS
- Northridge: Business Administration – Business Law, BS
- Northridge: Business Administration – Global Supply Chain Management, BS
- Northridge: Business Administration – Real Estate, BS

- Northridge: Business Administration – Systems and Operations Management, BS
- Northridge: Economics – General, BA
- Northridge: Finance – Financial Analysis, BS
- Northridge: Finance – Financial Planning, BS
- Northridge: Finance – Insurance, BS
- Northridge: Management – General, BS
- Northridge: Marketing – General, BS
- Pomona: Business Administration – Accounting, BS
- Pomona: Business Administration – Computer Information Systems, BS
- Pomona: Business Administration – E-Business, BS
- Pomona: Business Administration – Finance, Real Estate, and Law, BS
- Pomona: Business Administration – International Business, BS
- Pomona: Business Administration – Management and Human Resources, BS
- Pomona: Business Administration – Marketing Management, BS
- Pomona: Business Administration – Technology and Operations Management, BS
- Sacramento: Business Administration – Entrepreneurship, BS
- Sacramento: Business Administration – Finance, BS
- Sacramento: Business Administration – General Management, BS
- Sacramento: Business Administration – International Business, BS
- Sacramento: Business Administration – Management of Human Resources and Organizational Behavior, BS
- Sacramento: Business Administration – Marketing, BS
- San Bernardino: Administration – Accounting, BA
- San Bernardino: Administration – Entrepreneurship, BA
- San Bernardino: Administration – Finance, BA
- San Bernardino: Administration – Human Resource Management, BA
- San Bernardino: Administration – Management, BA
- San Bernardino: Administration – Marketing, BA
- San Bernardino: Administration – Public Administration, BA
- San Bernardino: Administration – Real Estate, BA
- San Bernardino: Administration – Sports and Entertainment Marketing, BA
- San Diego: Business Administration – Financial Services, BS
- San Diego: Business Administration – General Business, BS
- San Francisco: Business Administration – General Business, BS
- San Jose: Business Administration – Business Analytics, BS
- San Jose: Business Administration – Entrepreneurship, BS
- San Jose: Business Administration – Finance, BS
- San Jose: Business Administration – General Business, BS
- San Jose: Business Administration – Global Operations Management, BS
- San Jose: Business Administration – Human Resource Management, BS
- San Jose: Business Administration – Management, BS
- San Jose: Economics – Economics, BA
- San Jose: Economics – Economics, BS

- San Jose: Humanities – Liberal Arts, BA
- San Luis Obispo: Business Administration – Information Systems, BS
- San Marcos: Business Administration – Accounting, BS
- San Marcos: Business Administration – Finance, BS
- San Marcos: Business Administration – General, BS
- San Marcos: Business Administration – Global Business Management, BS
- San Marcos: Business Administration – Global Supply Chain Management, BS
- San Marcos: Business Administration – Management, BS
- San Marcos: Business Administration – Management Information Systems, BS
- San Marcos: Business Administration – Marketing, BS
- Sonoma: Business Administration – Accounting, BS
- Sonoma: Business Administration – Business Administration – General, BS
- Sonoma: Business Administration – Finance, BS
- Sonoma: Business Administration – Financial Management, BS
- Sonoma: Business Administration – Marketing, BS
- Sonoma: Business Administration – Wine Business Strategies, BS
- Stanislaus: Business Administration – Computer Information Systems, BS
- Stanislaus: Business Administration – Finance, BS
- Stanislaus: Business Administration – General Business, BS
- Stanislaus: Business Administration – Management, BS
- Stanislaus: Business Administration – Marketing, BS
- Stanislaus: Business Administration – Operations Management, BS

BUSINESS ADMINISTRATION, ASSOCIATE DEGREE FOR TRANSFER

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of business issues and identify and resolve ethical dilemmas in the domestic and global business environment.

Required Core Courses: (9 units)

- BUS 5, Business Law and the Legal Environment (3)
- ECON 1, Principles of Microeconomics (3)
- ECON 2, Principles of Macroeconomics (3)

Required Accounting Courses: (6 units minimum)

- ACCTG 1, Introduction to Financial Accounting (5)
- ACCTG 2, Corporate Financial and Managerial Accounting (5)

Select 1 course from the following: (3 units minimum)

- MATH 7, Calculus 1 (5)*
- MATH 28, Calculus 1 for Business and Social Science (5)*
- MATH 54, Elementary Statistics (4) (*Students transferring to CSU Northridge please note: CSUN Business department will NOT accept UCLA XL10 Statistics to satisfy the business statistics requirement*)

*Maximum UC credit for MATH 7 and 28 is one course. MATH 21, Finite Mathematics (3) may be used if completed Fall 2015 or prior.

Select 2 courses from the following if not used above: (5 units minimum)

BUS 1, Introduction to Business (3)

or

BUS 32, Business Communication (3)

CIS 1, Introduction to Computer Information Systems (3)

MATH 7, Calculus 1 (5)*

or

MATH 28, Calculus 1 for Business and Social Science (5)*

MATH 54, Elementary Statistics (4) (*Students transferring to CSU Northridge: CSUN Business department will NOT accept UCLA XL10 Statistics to satisfy the business statistics requirement*)

*Note: Maximum UC credit for MATH 7 and 28 is one course.

*Maximum UC credit for MATH 7 and 28 is one course. MATH 21, Finite Mathematics (3) may be used if completed Fall 2015 or prior.

Please note: Some CSU campuses may require more than one mathematics course. Go to assist.org for details.

BUSINESS, ASSOCIATE DEGREE

Please note: This is NOT the CSU transfer degree. For details about the Business Administration Associate in Science for Transfer (AS-T) to CSU, please see above.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of business issues, and identify and resolve ethical dilemmas in the domestic and global business environment.

Required Core Courses: (minimum of 12 units)

ACCTG 1, Principles of Accounting (5)

or

ACCTG 21, Business Bookkeeping (3)

BUS 1, Introduction to Business (3)

BUS 5, Business Law and the Legal Environment (3)

BUS 32, Business Communications (3)

Using the electives below, students may focus on a particular area of interest (including Marketing, Insurance, Global Trade & Logistics, Entrepreneurship/Small Business Management, Finance, Management/Leadership, Retail/Hospitality/Tourism, and/or General Business) or may create their own area of study by selecting a combination of courses that meets career goals: (12 units minimum required)

Marketing

BUS 20, Principles of Marketing (3)

BUS 22, Introduction to Advertising (3)

BUS 23, Principles of Selling (3)

BUS 26, Marketing Research and Consumer Behavior (3)

BUS 28, Marketing Promotion (3)

BUS 34, Introduction to Social and Media Marketing (3)

JOURN 43, Public Relations and Publicity (3)

MEDIA 18, Broadcast Advertising (3) (*same as BUS 33*)

Insurance

BUS 15, Introduction to Insurance with Code and Ethics (2)

BUS 16, Personal Insurance (3)

BUS 17, Property and Liability Insurance (3)

BUS 18, Commercial Insurance (3)

Global Trade and Logistics

BUS 50, Introduction to International Business (3)

BUS 51, Intercultural Business Communication (3)

BUS 52, International Marketing (3)

BUS 53, Importing and Exporting (3)

BUS 54, International Management (3)

BUS 55, Southern California's International Connections (3)

BUS 80, Principles of Logistics (3)

BUS 81, Transportation Management (3)

BUS 82, Supply Chain Management (3)

BUS 83, Operations Management (3)

Entrepreneurship/Small Business Management

BUS 8, Law and Entrepreneurship (3)

BUS 9, Intellectual Property for the Entrepreneur (3)

BUS 27, Introduction to E-Commerce (3) (*formerly same as CIS 27*)

BUS 63, Principles of Entrepreneurship (3)

Finance

BUS 45, Individual Financial Planning (3) (*same as ACCTG 45*)

BUS 46, Introduction to Investments (3)

BUS 47, Understanding Money for Lifelong Success (1) (*same as COUNS 47*)

Management/Leadership

BUS 65, Management Principles (3)

BUS 67, Business Strategies (3)

BUS 72, Organizational Management and Leadership (3)

BUS 76, Human Resource Management (3)

BUS 79, Bargaining and Negotiations (3)

Retail/Hospitality/Tourism

BUS 11, Introduction to the Hospitality Industry (3)

BUS 21, Merchandising Principles (3)

BUS 25, Advertising Display (3)

General Business

BUS 6, Advanced Business Law (3) (*same as ACCTG 26*)

BUS 62, Human Relations and Ethical Issues in Business (3)

BUS 64, Business Protocol and Professionalism (1)

BUS 69, Success in the Gig Economy (1)

ENTREPRENEURSHIP, CERTIFICATE OF ACHIEVEMENT

This program provides students the opportunity to develop the skills needed to analyze business issues and explore their own entrepreneurial vision as they produce a thorough business plan. The coursework leads to a strong foundation in entrepreneurship. SMC collaborates with the National Association for Community College Entrepreneurship (NACCE).

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of business issues, identify and resolve

ethical dilemmas in the domestic and global business environment, and produce a thorough written business plan.

Required Courses: (15-17 units)

ACCTG 1, Introduction to Financial Accounting (5)

or

ACCTG 21, Business Bookkeeping (3)

or

CIS 35, QuickBooks (3)

BUS 1, Introduction to Business (3)

BUS 5, Business Law and the Legal Environment (3)

or

BUS 8, Law for the Entrepreneur (3)

BUS 20, Principles of Marketing (3)

BUS 63, Principles of Entrepreneurship (3)

Select two or more courses from the following if not used above for a total of at least 6 units.

NOTE: CIS 1 or 4 are highly recommended for students with limited computer skills

ACCTG 1, Introduction to Financial Accounting (5)

or

ACCTG 21, Business Bookkeeping (3)

or

CIS 35, QuickBooks (3)

BUS 5, Business Law and the Legal Environment (3)

BUS 8, Law and Entrepreneurship (3)

BUS 9, Intellectual Property for the Entrepreneur (3)

BUS 23, Principles of Selling (3)

BUS 27, Introduction to E-Commerce (3) *(formerly same as CIS 27)*

BUS 32, Business Communications (3)

BUS 34, Introduction to Social Media Marketing (3)

BUS 45, Individual Financial Planning (3) *(same as ACCTG 45)*

BUS 50, Introduction to International Business (3)

BUS 53, Importing and Exporting (3)

BUS 62, Human Relations and Ethical Issues in Business (3)

BUS 65, Management Principles (3)

BUS 66, Entrepreneurial Mindset (1) BUS 69, Success in the Gig Economy (1)

BUS 80, Principles of Logistics (3)

or

BUS 82, Supply Chain Management (3)

BUSINESS: ENTREPRENEURSHIP, DEPARTMENT CERTIFICATE

This department certificate is a focused short-term version of the Certificate of Achievement designed to expose students to the various aspects of Entrepreneurship.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of business issues, identify and resolve ethical dilemmas in the domestic and global business environment, and produce a thorough written business plan or proposal.

Required Courses:

ACCTG 1, Introduction to Financial Accounting (5)

or

ACCTG 21, Business Bookkeeping (3)

or

CIS 35, QuickBooks (3)

BUS 1, Introduction to Business (3)

BUS 63, Principles of Entrepreneurship (3)

Select 1 additional course from the following not used above: (3 units)

BUS 5, Business Law and the Legal Environment (3)

BUS 8, Law and Entrepreneurship (3)

BUS 9, Intellectual Property for the Entrepreneur (3)

BUS 20, Principles of Marketing (3)

BUS 23, Principles of Selling (3)

BUS 27, Introduction to E-Commerce (3) *(formerly same as CIS 27)*

BUS 32, Business Communications (3)

BUS 34, Introduction to Social Media Marketing (3)

BUS 45, Individual Financial Planning (3) *(same as ACCTG 45)*

BUS 50, Introduction to International Business (3)

BUS 53, Importing and Exporting (3)

BUS 62, Human Relations and Ethical Issues in Business (3)

BUS 65, Management Principles (3)

BUS 66, Entrepreneurial Mindset (1)

BUS 69, Success in the Gig Economy (1)

BUS 80, Principles of Logistics (3)

BUS 82, Principles of Logistics (3)

BUSINESS: SALON ENTREPRENEURSHIP, DEPARTMENT CERTIFICATE

See Cosmetology

INSURANCE PROFESSIONAL, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

This program prepares students for highly skilled positions in the insurance industry, such as claims adjuster, examiner, investigator, salesperson, legal support worker, or insurance underwriter. Course offerings include personal insurance, property and liability insurance, commercial insurance, and ethics, among others.

Program Learning Outcomes: Upon completion of this program, students will demonstrate coherent and comprehensive understanding of various types of insurance products, including personal, property and liability, and commercial insurance.

Required Courses:

ACCTG 1, Introduction to Financial Accounting (5)

or

ACCTG 21, Business Bookkeeping (3)

BUS 1, Introduction to Business (3)

BUS 5, Business Law and the Legal Environment (3)

BUS 15, Introduction to Insurance with Code and Ethics (2)

BUS 16, Personal Insurance (3)

BUS 17, Property and Liability Insurance (3)

BUS 18, Commercial Insurance (3)

BUS 32, Business Communications (3)

CIS 30, Microsoft Excel (3) *(formerly CIS 31)*

or

ACCTG 31A, Excel for Accounting (3)

INSURANCE SPECIALIST, CERTIFICATE OF ACHIEVEMENT

This program prepares students for highly skilled positions in the insurance industry, such as claims adjuster, examiner, investigator, salesperson, legal support worker, or insurance underwriter. Course offerings include personal insurance, property and liability insurance, commercial insurance, and ethics, among others.

Program Learning Outcomes: Upon completion of this program, students will demonstrate coherent and comprehensive understanding of various types of insurance products, including personal, property, and liability, and commercial insurance.

Required Courses:

- BUS 15, Introduction to Insurance with Code and Ethics (2)
- BUS 16, Personal Insurance (3)
- BUS 17, Property and Liability Insurance (3)
- BUS 18, Commercial Insurance (3)

INTERNATIONAL BUSINESS, CERTIFICATE OF ACHIEVEMENT

The International Business Certificate provides students with the opportunity to develop the skills, knowledge, and training for entry-level positions in multinational companies, and incorporates the global business perspective into their current assignment. The student's knowledge and skills will include the ability to analyze global business opportunities, as well as interact with others from different cultures. Individuals are able to prepare basic international commercial and shipping documents, as well as to understand the issues that are involved in a global business operation. To gain a competitive edge in today's emerging marketplace, companies need professionals who know how to streamline diverse, supply-side activities on a global scale.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of business issues, identify and resolve ethical dilemmas in the domestic and global business environment, and apply business principles to international trade issues in the context of global citizenship.

Students will also be able to analyze global business opportunities; compare and contrast the role that culture plays in global business operations; and describe and prepare international commercial and shipping documents.

Required Core Courses: (9 units)

- BUS 1, Introduction to Business (3)
- BUS 32, Business Communications (3)
- BUS 50, Introduction to International Business (3)

Select 3 courses from the following: (9 units)

- BUS 51, Intercultural Business Communication (3)
- or*
- COM ST 37, Intercultural Communication (3)
-
- BUS 52, International Marketing (3)
- BUS 53, Importing and Exporting (3)
- BUS 54, International Management (3)

Select 1 course from the following: (3 units)

- BUS 80, Principles of Logistics (3)
- BUS 81, Transportation Management (3)

- BUS 82, Supply Chain Management (3)
- BUS 83, Operations Management (3)
- BUS 84, Introduction to Procurement (3)

Select 1 course from the following (3 units)

- ACCTG 31A, Excel for Accounting (3)
- ACCTG 31B, Advanced Excel for Accounting (3)
- CIS 30, Microsoft Excel (3)
- CIS 34, Advanced Excel with Visual Basic for Applications (3)

BUSINESS: INTERNATIONAL, DEPARTMENT CERTIFICATE

This department certificate is a focused short-term version of the Certificate of Achievement designed to expose students to the various aspects of international business and to enhance students' global prospective and competencies in the global business environment.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of business issues, identify and resolve ethical dilemmas in the domestic and global business environment, and produce a thorough written plan or proposal.

Required Course: (3 units)

- BUS 50, Introduction to International Business (3)

Select 3 courses from the following: (9 units)

- BUS 51, Intercultural Business Communication (3)
- or*
- COM ST 37, Intercultural Communication (3)
-
- BUS 52, International Marketing (3)
- BUS 53, Importing and Exporting (3)
- BUS 54, International Management (3)

LOGISTICS/SUPPLY CHAIN MANAGEMENT, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

This program provides students the opportunity to develop skills in the growing field of logistics and supply chain management. Students will learn about the flow and movement that organizations utilize to produce and deliver their products and services. Logistics and supply chain touches all aspects of a company's operations — from the movement of raw materials, energy, goods, and money, to people, satellites, information, and an array of operational tools. SMC's Logistics and Supply Chain Management degree will prepare students for a career in the growing field of Global Trade and Logistics/Supply Chain. Our program partners with PRO-GTL to enhance education and business partnerships for optimal job opportunities.

Program Learning Outcomes: Upon completion of this program, students will demonstrate coherent and comprehensive understanding of logistics, supply chain management, production and processing, production processes, quality control, scheduling, inventory management, transportation, costs, and techniques for maximizing the effective manufacture and distribution of goods and services for present and future systems.

Required Core Courses: (9 units)

- BUS 1, Introduction to Business (3)
- BUS 32, Business Communications (3)

BUS 80, Principles of Logistics (3)

Concentration Courses: (9 units)

BUS 81, Transportation Management (3)

BUS 82, Supply Chain Management (3)

BUS 83, Operations Management (3)

Select 2 courses from the following (CIS 1 or 4 are strongly recommended for students with limited computer skills): (6 units)

ACCTG 1, Introduction to Financial Accounting (5)

or

ACCTG 21, Business Bookkeeping (3)

BUS 5, Business Law and the Legal Environment (3)

BUS 45, Individual Financial Planning (3) (*same as ACCTG 45*)

BUS 50, Introduction to International Business (3)

BUS 51, Intercultural Business Communication (3)

or

COM ST 37, Intercultural Communication (3)

BUS 52, International Marketing (3)

BUS 53, Importing and Exporting (3)

CIS 1, Computer Concepts with Applications (3)

or

CIS 4, Business Information Systems with Applications (3)

BUSINESS: LOGISTICS AND SUPPLY MANAGEMENT, DEPARTMENT CERTIFICATE

This department certificate is a focused short-term version of the Certificate of Achievement designed to expose students to the various aspects of logistics and supply chain management, as well as job opportunities in the industry.

Program Learning Outcomes: Upon completion of the program, students will demonstrate comprehensive understanding of logistics, supply chain management, production and processing, production processes, quality control, scheduling, inventory management, transportation, costs, and techniques for maximizing the effective manufacture and distribution of goods and services for present and future systems.

Required Courses: (6 units)

BUS 80, Principles of Logistics (3)

BUS 82, Supply Chain Management (3)

Required Courses: (6 units)

BUS 81, Transportation Management (3)

BUS 83, Operations Management (3)

BUS 84, Introduction to Procurement (3)

MANAGEMENT/LEADERSHIP, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

With the constantly growing variety of businesses in the world, business management career opportunities are vast and diverse. SMC's Management/Leadership program prepares students for this unlimited field with solid analytical skills, training in methods for resolving problems, and the managerial skills required for planning and executing strategies in pursuit of organizational goals.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of business issues, identify and resolve ethical dilemmas in the domestic and global business environment, and apply managerial skills in planning, organizing, directing, and controlling business enterprises in the domestic and global environments.

Required Courses: (12 units)

BUS 1, Introduction to Business (3)

BUS 5, Business Law and the Legal Environment (3)

BUS 32, Business Communications (3)

BUS 65, Management Principles (3)

Select 4 courses from the following: (12 units)

BUS 51, Intercultural Business Communication (3)

or

COM ST 37, Intercultural Communication (3)

BUS 54, International Management (3)

BUS 62, Human Relations and Ethical Issues in Business (3)

BUS 67, Business Strategies (3)

BUS 72, Organizational Management and Leadership (3)

BUS 76, Human Resources Management (3)

BUS 79, Bargaining and Negotiations (3)

SALES AND PROMOTION (FORMERLY MERCHANDISING), ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

This program prepares students for careers in sales and other contemporary marketing responsibilities. Sales promotion techniques are examined as students develop skills in the modern sales process. Developing a strategic approach to customer relationship management and the lifetime value of the customer will equip students with the mindset to succeed in today's dynamic marketplace.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of business issues, identify and resolve ethical dilemmas in the domestic and global business environment, and develop a sales and promotion plan that incorporates elements of the promotion mix, including social media and an engaging oral and written sales presentation.

Required Courses: (21 units)

BUS 1, Introduction to Business (3)

BUS 20, Principles of Marketing (3)

BUS 22, Introduction to Advertising (3)

BUS 23, Principles of Selling (3)

BUS 28, Marketing Promotion (3)

BUS 32, Business Communications (3)

BUS 34, Introduction to Social Media Marketing (3)

Select 1 course from the following: (3 units)

BUS 5, Business Law and the Legal Environment (3)

BUS 8, Law for the Entrepreneur (3)

BUS 21, Merchandising Principles (3)

BUS 25, Advertising Display (3)

BUS 27, Introduction to E-Commerce (3) (*formerly same as CIS 27*)

BUS 62, Human Relation and Ethical Issues in Business (3)

BUSINESS: MANAGEMENT, DEPARTMENT CERTIFICATE

This department certificate is a focused short-term version of the Certificate of Achievement designed to expose students to the various aspects of business management and job opportunities in supervisory management.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of business issues, identify and resolve ethical dilemmas in the domestic and global business environment, and apply managerial skills in planning, organizing, directing, and controlling business enterprises in the domestic and global environments.

Required Courses:

- BUS 1, Introduction to Business (3)
- BUS 20, Principles of Marketing (3)
- BUS 32, Business Communications (3)
- BUS 65, Management Principles (3)

MARKETING, CERTIFICATE OF ACHIEVEMENT

Every company needs effective marketing to succeed. Our program trains students to analyze business issues, solve problems, develop effective marketing strategies for designated target audiences, and employ the various elements of the marketing mix to achieve specific goals.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of business issues; identify and resolve ethical dilemmas in the domestic and global business environments; and develop an effective marketing strategy that includes a target audience and all elements of the marketing mix.

Required Core Courses: (15 units)

- BUS 1, Introduction to Business (3)
- BUS 20, Principles of Marketing (3)
- BUS 26, Marketing Research and Consumer Behavior (3)
- BUS 32, Business Communications (3)
- BUS 34, Introduction to Social Media Marketing (3)

Select 3 or more courses from the following: (9 units)

- BUS 22, Introduction to Advertising (3)
- BUS 23, Principles of Selling (3)
- BUS 28, Marketing Promotion (3)
- BUS 29, Public Relations and Publicity (3) (same as JOURN 43)
- BUS 52, International Marketing (3)

BUSINESS: MARKETING, DEPARTMENT CERTIFICATE

This department certificate is a focused short-term version of the Certificate of Achievement designed to expose students to the various aspects of marketing and job opportunities.

Program Learning Outcomes: Upon completion of the program, each student can demonstrate coherent and comprehensive analyses of business issues; can identify and resolve ethical dilemmas in the domestic and global business environments; and can develop an effective marketing strategy that includes a target audience and all elements of the marketing mix.

Required Courses: (6 units)

- BUS 1, Introduction to Business (3)
- BUS 20, Principles of Marketing (3)

Select 2 courses from the following:

- BUS 22, Introduction to Advertising (3)
- BUS 23, Principles of Selling (3)
- BUS 26, Marketing Research and Consumer Behavior (3)
- BUS 28, Marketing Promotion (3)
- BUS 29, Public Relations and Publicity (3) (same as JOURN 43)
- BUS 34, Introduction to Social Media Marketing (3)
- BUS 52, International Marketing (3)

BUSINESS: SALES AND PROMOTION (FORMERLY MERCHANDISING), DEPARTMENT CERTIFICATE

This department certificate is a focused short-term version of the Certificate of Achievement designed to expose students to the various aspects of sales and promotion and job opportunities.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of business issues; identify and resolve ethical dilemmas in the domestic and global business environment; and develop a sales and promotion plan that incorporates elements of the promotion mix, including social media, and an engaging oral and written sales presentation.

Required Courses: (9 units)

- BUS 20, Principles of Marketing (3)
- BUS 28, Marketing Promotion (3)

Select 1 course from the following: (3 units)

- BUS 22, Introduction to Advertising (3)
- BUS 34, Introduction to Social Media Marketing (3)

Chemistry

Chemists study the properties of matter and make qualitative and quantitative analysis of many substances. They conduct a variety of experiments and tests in laboratories to develop new knowledge or maintain control over the quality of existing products and procedures. Chemists may work in research and development, or production and quality control in the chemical manufacturing industry, and in education or government institutions.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Related Program: Science: General Science

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation

agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system has a transfer pathway** for any UC campus that offers Biochemistry and Chemistry. For more information, visit pathwaysguide.universityofcalifornia.edu

Chinese

See *Modern Languages*

Communication Studies

Communication and Media Studies majors will learn the dynamics of communication between and among individuals, groups and cultures, and/or the media. Communication integrates courses in interpersonal, intercultural, organizational and mass communication and public relations. There is a wide range of employment possibilities for students trained in Media Studies in business, sales, public and personnel relations, and advertising. Students can prepare for careers in media news writing and editing, announcing, programming, publicity, community relations, directing and public relations.

Speech and Communication Studies majors pursue a variety of careers depending on their interests. Public relations and advertising firms, health care organizations, government and educational institutions, entertainment companies, social service groups, and media-based firms are just some examples of organizations having a need for people with highly developed interpersonal and technical communication skills. Some of the current career titles include communication consultant, public information officer, public relations specialist, political consultant, press secretary, labor relations specialist, public opinion researcher, news producer, speech/language pathologist, speechwriter, advertising account executive, media manager, human resources manager, mediator, special events coordinator and development officer/fund raiser.

Because of the focus on interpersonal, professional, and intercultural communication skills, this major may also lead to many other careers. For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Communication Studies Associate Degree for Transfer
- Related Area: Journalism
- Related Area: Media Studies

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year

college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system has a transfer pathway** for any UC campus that offers Communication. For more information, visit pathwaysguide.universityofcalifornia.edu

SMC offers the **Communication Studies Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Communication Studies AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/adt-search/search.shtml

- Channel Islands: Communication – Environmental Communication, BA
- Channel Islands: Communication – Health Communication, BA
- Channel Islands: Communication – Organizational Communication Emphasis, BA
- Chico: Communication Studies – Communication and Public Affairs, BA
- Chico: Communication Studies – Organizational Communication, BA
- East Bay: Communication – Media Production, BA
- East Bay: Communication – Professional, Public and Organizational Communication, BA
- Fresno: Communication – General, BA
- Fullerton: Communication Studies – General, BA
- Fullerton: Communications – Advertising, BA
- Fullerton: Communications – General, BA
- Fullerton: Communications – Entertainment and Tourism Communications, BA
- Fullerton: Communications – Photocommunications, BA
- Fullerton: Communications – Public Relations, BA
- Humboldt: Communication – General, BA
- Long Beach: Communication Studies – Communication, Culture, and Public Affairs, BA
- Long Beach: Communication Studies – General, BA
- Long Beach: Communication Studies – Interpersonal and Organizational Communication, BA
- Los Angeles: Communication – Communication for Social Change, BA
- Los Angeles: Communication – Intersecting Identities and Relationships, BA

- Los Angeles: Communication – Mass Communication (Advertising and Public Relations), BA
- Monterey Bay: Human Communication – Journalism and Media Studies, BA
- Monterey Bay: Human Communication – Practical and Professional Ethics, BA
- Monterey Bay: Human Communication – Writing and Rhetoric, BA
- Northridge: Communication Studies – General, BA
- Pomona: Communication – Organizational Communication, BS
- Sacramento: Communication Studies – Digital Media, BA
- Sacramento: Communication Studies – General Communication, BA
- Sacramento: Communication Studies – Organizational Communication, BA
- Sacramento: Communication Studies – Public Relations, BA
- San Bernardino: Communication – Human and Organizational Communication, BA
- San Bernardino: Communication – Media Studies, BA
- San Bernardino: Communication – Public Relations, BA
- San Diego: Communication – Applied Arts, BA
- San Diego: Health Communication – Health Communication – General, BS
- San Francisco: Communication Studies – Communication Studies – General, BA
- San Jose: Communication Studies, BA
- San Jose: Humanities – Liberal Arts, BA
- San Marcos: Communication – General, BA
- Sonoma: Communication Studies – General, BA
- Stanislaus: Communication Studies – Public Communication and Media Track, BA
- Stanislaus: Communication Studies – Relational and Organizational Communication Track, BA
- Stanislaus: Gender Studies – Culture, Ideology, and Representation, BA
- Stanislaus: Gender Studies – Ethnicity, Nationality, and Sexuality, BA
- Stanislaus: Gender Studies – History, Society, and Inequality, BA

COMMUNICATION STUDIES, ASSOCIATE DEGREE FOR TRANSFER

Upon completion of the Associate in Arts in Communication Studies for Transfer (AA-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Completion of the degree indicates that the student will have satisfied the lower-division requirements for transfer into Communication Studies or similar majors for many campuses in the California State University system.

Students pursuing the Associate in Arts In Communication Studies for Transfer will demonstrate, through written and oral academic work, knowledge of communication principles, concepts, and theories and be prepared to pursue further study in communication studies or a similar major at the baccalaureate level at the California State University.

Program Learning Outcomes: Upon completion of the program, students will be able to analyze and demonstrate the relationship between speaker, audience, message, and

medium in a variety of communication contexts. Students will also be able to identify, analyze, and demonstrate appropriate conflict management styles in both interpersonal and intercultural forums.

Required Course: (3 units)

COM ST 11, Elements of Public Speaking (3)

LIST A: Select 2 courses from the following: (6 units)

COM ST 16, Fundamentals of Small Group Discussion (3)

COM ST 21, Argumentation (3)

COM ST 35, Interpersonal Communication (3)

LIST B: Select 2 of the following: (6 units)

Any course not already used above and/or:

COM ST 12, Persuasion (3)

COM ST 14, Oral Interpretation: Performing Literature Across Cultures (3)

COM ST 30, Introduction to Communication Theory (3)

COM ST 37, Intercultural Communication (3)

ENGL 2, Critical Analysis and Intermediate Composition (3)

FILM 1, Film Appreciation Introduction to Cinema (3)

MATH 54, Elementary Statistics (4)

MEDIA 1, Survey of Mass Media Communication (3)

PSYCH 5, The Psychology of Communication (3)

LIST C: Select 1 course from the following: (3 units)

Any course not already used above or any one of the following:

ANTHRO 2, Cultural Anthropology (3)

COM ST 9, Introduction to Communication Studies (3)

COM ST 13, Voice and Diction (3)

COM ST 20, Agitational and Protest Communication (3)

COM ST 31, Research Methods for Communication Studies (3)

COM ST 36, Gender and Communication (3)

ENGL 2, Critical Analysis and Intermediate Composition (3)

HIST 1, History of Western Civilization I (3)

HIST 2, History of Western Civilization II (3)

JOURN 1, The News (3)

PSYCH 1, General Psychology (3)

SOCIOL 1, Introduction to Sociology (3)

SOCIOL 1s, Introduction to Sociology – Service Learning (3)

Computer Information Systems

Computer Information Systems managers oversee a variety of administrative, clerical, and accounting functions necessary to efficiently run and maintain computerized business systems. Office workers use a variety of software to produce correspondence, maintain databases, manage projects, organize meetings, manage financial records, and create presentations. Students focusing on Web applications attain the skills to professionally design, develop, and manage websites.

This major may also lead to many other careers. For additional career possibilities, visit the Career Services Center

on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Computer Business Applications Associate Degree
- Website Software Specialist Associate Degree
- Computer Business Applications Certificate of Achievement (30 units)
- Social Media Assistant Certificate of Achievement (15 units)
- Website Software Specialist Certificate of Achievement (31 units)
- Digital Publishing (*formerly Desktop Publishing*) Department Certificate (17 units)
- Website Creator Department Certificate (15 units)
- Website Development Management Department Certificate (13 units)

TRANSFER PREPARATION

Students planning to transfer to a four-year college or university should refer to the transfer preparation information under Business.

COMPUTER BUSINESS APPLICATIONS, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

The core of this program provides advanced computer skills and business concepts that can be applied in nearly every industry. Students will learn to use Microsoft Office products, as well as other computer software applications, that can be applied in business situations to create, edit, format, and publish documents, spreadsheets, presentations, and databases.

Students can select from three specializations within the Computer Business Applications program:

- Social Media Specialist students will be introduced to the finer points of the most popular social media applications, including search engine optimization, HTML and Web design.
- Office Finance Specialist students will develop the skills necessary to handle basic accounting and bookkeeping procedures for small businesses.
- Microsoft Office Specialist students will develop additional expertise in each of the Microsoft Office applications. This specialization assists in preparation for the Microsoft Office Specialist (MOS) certification exams.

Program Learning Outcomes: Upon completion of the program, students will be able to analyze different types of business information, use the Internet to support findings, and use software applications to produce various business reports and presentations used in industry of concentration area.

Required courses: (21 units)

- BUS 1, Introduction to Business (3)
- CIS 1, Computer Concepts with Applications (3)
- CIS 4, Business Information Systems with Applications (3)
- CIS 37, Microsoft Word (3)
- CIS 39, Microsoft Outlook – Comprehensive Course (3)
- OFTECH 5, English Skills for the Office (3)

OFTECH 1, Keyboarding I (3)

or

OFTECH 10, Skill Building on the Keyboard (3)

Complete one of the following specialization tracks listed below based on career interest: (9 units)

Track 1: Social Media Specialist

CIS 50, Internet, HTML, and Web Design (3)

CIS 67, WordPress (3)

CIS 70, Social Media Applications (3)

Track 2: Office Finance Specialist

CIS 30, Microsoft Excel (3)

CIS 35, QuickBooks (3) (*formerly same as ACCTG 35*)

ACCTG 1, Introduction to Financial Accounting (5)

or

ACCTG 21, Business Bookkeeping (3)

Track 3: Microsoft Office Specialist

CIS 30, Microsoft Excel (3)

CIS 32, Microsoft Access (3)

CIS 38, Microsoft PowerPoint (3)

WEBSITE SOFTWARE SPECIALIST, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

A Website Software Specialist designs, develops, and manages websites with the skills needed to be successful in today's job market. A Website Software Specialist needs to be knowledgeable in variety of Internet technologies (HTML, CSS, JavaScript, and server-side scripting), as well as web-authoring applications such as Dreamweaver, Photoshop, and WordPress. These specialists are primarily responsible for developing user friendly and interactive webpages, integrating and optimizing different multimedia components, and implementing hosting, publishing, and development workflow strategies.

Program Learning Outcomes: Upon completion of the program, students will learn a variety of Internet technologies and web-authoring tools for website development and maintenance. Students will gain the necessary knowledge and skills for designing, developing, and managing websites.

Required Courses:

CIS 1, Computer Concepts with Applications (3)

CIS 50, Internet, HTML, and Web Design (3)

CIS 51, HTML5, CSS3, and Accessibility (3)

CIS 54, Web Development and Scripting (3)

CIS 55, Advanced Webpage Development and Scripting (3)

CIS 57, Website Planning and Production (3)

CIS 59A, Dreamweaver I (3)

CIS 60A, Photoshop I (3)

CIS 67, WordPress (3)

CIS 70, Social Media Applications (3)

CIS 88A, Independent Studies in CIS (1)

DIGITAL PUBLISHING (FORMERLY DESKTOP PUBLISHING), DEPARTMENT CERTIFICATE

This program provides students with students with specific skills that make them job ready for the publishing industry, whether it is for printing or the web. Digital Publishing Specialists use Adobe Photoshop, InDesign, and Illustrator programs, along with Microsoft Word, to format and combine text, numeral data, photographs, charts, drawings,

and other visual graphic elements to produce digital and/or printed publication-ready materials.

Program Learning Outcomes: Given client data, students will utilize marketing research tools, apply creative techniques, choose and utilize appropriate software program(s), and analyze and solve graphic design and page layout problems to produce an effective publication. Also, working as a member of a Digital Publishing team, students will demonstrate professional work habits, meet scheduled timeline milestones and deadlines, and communicate effectively via oral presentations and written documents.

Required Courses: (16 units)

- CIS 36P, Microsoft PowerPoint (1)
- CIS 37, Microsoft Word (3)
- CIS 40, InDesign (3)
- CIS 60A, Photoshop I (3)
- CIS 64, Illustrator (3)
- OFTECH 5, English Skills for the Office (3)

Select 1 course from the following:

- OFTECH 1A, Keyboarding 1A (1)
- OFTECH 1B, Keyboarding 1B (1)
- OFTECH 1C, Keyboarding 1C (1)
- OFTECH 9, Keyboarding Improvement (1)

WEBSITE CREATOR, DEPARTMENT CERTIFICATE

This certificate provides students with the basic skills needed to create websites. Students will use Web authoring programs for Web page creation and site management. They will extend their skills in the development of websites through the use of XHTML, cascading style sheets, and client and server-side scripting. Focus will be on the creation of effective user interfaces and website design principles using various state-of-the-art technologies for the Web. Upon completing this certificate, students will be ready to plan, build, promote, and maintain professional websites.

Required Courses:

- CIS 50, Internet, HTML, and Web Design (3)
- CIS 51, HTML5, CSS3, and Accessibility (3)
- CIS 54, Web Development and Scripting I (3)
- CIS 59A, Dreamweaver I (3)
- CIS 60A, Photoshop I (3)

WEBSITE DEVELOPMENT MANAGEMENT, DEPARTMENT CERTIFICATE

This program provides students with the knowledge needed to develop website projects in a real-world setting. Students learn how to develop websites while applying the skills needed to plan and budget resources in development projects from conceptual design to deployment.

Program Learning Outcomes: Upon completion of the program, students will apply the principles of Project Management to plan schedules and manage cost and resources to lead website development projects to success. Students will demonstrate their comprehensive knowledge of website development by creating and managing a portfolio of Web and Social Media projects.

Required Courses:

- CIS 9A, Technology Project Management I (3) (*same as CS 9A*)

CIS 9B, Technology Project Management II (3) (*same as CS 9B*)

CIS 56, Web Media Production (3)

CIS 57, Website Planning and Production (3)

CIS 88A, Independent Studies in CIS (1)

Computer Science

The field of computer science leads to a variety of careers that all require core computer science skills. These skills include theory courses such as Computer Hardware, Data Structures, and Networks, as well as programming in different computer languages. Thereafter, within the field, areas of specialty lead into careers including software development, project management, system analysis, and maintenance among other areas. With the Internet being an integral part of everyday life, Web page authoring and Web application development have been other areas of high demand in the job market.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Computer Programming Associate Degree
- Computer Science Associate Degree
- Database Applications Developer Associate Degree
- Web Programmer Associate Degree
- Computer Programming Certificate of Achievement (27 units)
- Computer Science Certificate of Achievement (34 units)
- Database Applications Developer Certificate of Achievement (33 units)
- Web Programmer Certificate of Achievement (30 units)
- Cloud Computing Department Certificate (15 units)
- Entry Level Programmer Department Certificate (12 units)
- Information Systems Management Department Certificate (13 units)
- Mobile Apps Development – Android Department Certificate (15 units)
- Mobile Apps Development – iPhone Department Certificate (12 units)
- Networking Department Certificate (17 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The University of California system has a transfer pathway for any UC campus that offers Computer Science. For more information, visit pathwaysguide.universityofcalifornia.edu

COMPUTER PROGRAMMING, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

A computer programmer is a professional who is skilled in writing medium to large-scale computer applications. This requires the knowledge and practice of a multitude of areas in Computer Science. This certificate focuses on learning and using advanced programming techniques to build software applications. In addition, it covers core computer science concepts such as Operating Systems and Database Theory.

Program Learning Outcomes: Upon completion of the program, students will design, code, test, and debug computer programs. They will understand and use the Internet and World Wide Web, application software, the components of the system unit, input, output, storage, operating systems and utility programs, communications and networks, database management, information systems development, and project management. Students will also explain the social implications of technological development, and understand the capabilities of current-day computers and the possibilities for the future.

Required Core Courses: (15 units)

CS 3, Introduction to Computer Systems (3)

CS 40, Operating Systems (3)

or

CS 80, Internet Programming (3)

CS 50, C Programming (3)

CS 60, Database Concepts and Applications (3)

MATH 20, Intermediate Algebra (5)

or

One of the following:

MATH 2, 7, 8, 10, 13, 15, 21, 22, 23, 24, 26, 28, 29, 41, 54

Required concentration courses: Select 2 of the following groups: (12 units)

GROUP 1:

CS 15, Visual Basic Programming (3)

CS 19, Advanced Visual Basic Programming (3)

GROUP 2:

CS 81, Javascript Processing and Dynamic HTML (3)

and

One of the following:

CS 82, ASP.NET Programming in C# (3)

CS 83, Server-Side Java Web Programming (3)

CS 83R, Server-Side Ruby Web Programming (3)

CS 84, Programming with XML (3)

CS 85, PHP Programming (3)

GROUP 3:

CS 65, Oracle Programming (3)

CS 66, Advanced Oracle (3)

GROUP 4:

CS 52, C++ Programming (3)

and

One of the Following:

CS 20A, Data Structures with C++ (3)

CS 51, Visual C++ Programming (3)

GROUP 5:

CS 55, Java Programming (3)

and

One course from the following:

CS 20B, Data Structures with Java (3)

CS 56, Advanced Java Programming (3)

COMPUTER SCIENCE, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

This program covers a broad spectrum of courses ranging from core computer science to a variety of branch fields of computer science. This major provides the student with the basic skills required of core computer science. Courses include programming in low-level and essential languages, Database Theory, Operating Systems Fundamentals, Computer Hardware and Data Structures. Students finishing this major are well equipped to work in the field of computer science as well as transfer to a four-year degree program in this area.

Program Learning Outcomes: Upon completion of the program, students will manage projects, analyze systems, develop software, and program in a variety of computer languages; author webpages and develop web applications; utilize networks and computer hardware; and create and manipulate data structures and databases.

Required Core Courses: (28 units)

CS 3, Introduction to Computer Systems (3)

CS 17, Assembly Language Programming (3)

CS 40, Operating Systems (3)

CS 42, Computer Architecture (3)

CS 50, C Programming (3)

CS 60, Database Concepts and Applications (3)

MATH 7, Calculus 1 (5)

MATH 8, Calculus 2 (5)

Required Concentration Courses: Select 1 of the following groups: (6 units)

GROUP 1:

CS 52, C++ Programming (3)

CS 20A, Data Structures with C++ (3)

GROUP 2:

CS 55, Java Programming (3)

CS 20B, Data Structure with Java (3)

DATABASE APPLICATIONS DEVELOPER, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

This program develops user-friendly interfaces to database applications. A database application is made of data, a database engine to store the data, and an interface to extract and display the data. The skills needed to build a database application range from database theory and design, using a database engine such as SQL server, or Oracle, to programming in ADO technologies to extract the data, as well as programming in Windows and Web applications on a client and server-side basis to present the data. In addition, with increasing concerns over security, a database developer must also be able to write secure code that runs with minimum risk of attacks.

Program Learning Outcomes: Upon completion of the program, students will develop user-friendly interfaces based on Windows and the Web to extract data stored

in databases; incorporate different security techniques to ensure the safe display and update of data; interface databases to the Internet; and install and administer Database Management Systems. In addition, students will design, build and populate databases with data, and use programming languages and graphical interfaces to retrieve and manipulate data.

Required Courses: (27 units)

- CS 3, Introduction to Computer Systems (3)
- CS 9A, Technology Project Management I (3) (*same as CIS 9A*)
- CS 15, Visual Basic Programming (3)
- CS 19, Visual Basic Advanced Programming (3)
- CS 32, Database Programming in VB.NET (3)
- CS 37, Web Programming in VB.NET (3)
- CS 60, Database Concepts and Applications (3)
- CS 61, Microsoft SQL Server Database (3)
- CS 65, Oracle Programming (3)

Select 2 courses from the following:

- CS 8, Systems Analysis and Design (3)
- CS 9B, Technology Project Management II (3)
- CS 84, Programming with XML (3)
- CS 85, PHP Programming (3)
- CS 86, Android Development (3)
- CS 87A, Python Programming (3)

WEB PROGRAMMER, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

This program helps design and develop applications and scripts for the World Wide Web (WWW). Web programmers need to be knowledgeable on a variety of Internet technologies (HTML, CSS, XML, JavaScript, Perl/CGI, Java, JSP, PHP, and the Microsoft .Net platform), networking, and database management. They are chiefly responsible for providing the programming which makes webpages interactive or allows users to interact with back-end applications and databases. Web programmers are instrumental in making electronic commerce on the Internet possible.

Program Learning Outcomes: Upon completion of the program, students will design and develop applications and scripts for the World Wide Web, and provide the programming which makes webpages interactive or allows users to interact with back-end applications and databases.

Required Courses: (18 units)

- CS 3, Introduction to Computer Systems (3)
- CS 60, Database Concepts and Applications (3)
- CS 70, Networking Theory and Essentials (3)
- CS 80, Internet Programming (3)
- CS 81, Javascript Programming (3)

- CS 84, Programming with XML (3)

or

- CS 86, Android Development (3)

Select 1 of the following groups: (6 units)

GROUP 1:

- CS 15, Visual Basic Programming (3)
- CS 19, Advanced Visual Basic Programming (3)

GROUP 2:

- CS 55, Java Programming (3)
- CS 56, Advanced Java Programming (3)

GROUP 3:

- CS 87A, Python Programming (3)

and

One course from the following:

- CS 15, Visual Basic Programming (3)
- CS 19, Advanced Visual Basic Programming (3)
- CS 55, Java Programming (3)
- CS 56, Advanced Java Programming (3)

Select 1 course from the following: (3 units)

- CS 32, Database Programming in VB .NET (3)
- CS 61, Microsoft SQL Server Database (3)
- CS 65, Oracle Programming (3)

Select 1 course from the following: (3 units)

- CS 37, Web Programming in VB .NET (3)
- CS 82, ASP.NET Programming in C# (3)
- CS 83, Server Side Java Web Programming (3)
- CS 83R, Server-Side Ruby Web Programming (3)
- CS 85, PHP Programming (3)

CLOUD COMPUTING, DEPARTMENT CERTIFICATE

This program provides the industry standard skills to understand and develop applications for the cloud. Students learn a range of topics that cover the technical principals of the hardware and software requirements to run systems in the cloud including storage, database management, and software systems, while maintaining secure access.

Program Learning Outcomes: Upon completion of the program, students will be able to host a database and run queries using an interface from a commercial provider and run a file-server service using a provider of their choice.

Required Courses (12 units):

- CS 79A, Introduction to Cloud Computing (3)
- CS 79B, Database Essentials in Amazon Web Services (3)
- CS 79C, Compute Engines in Amazon Web Services (3)
- CS 79D, Security in Amazon Web Services (3)

Select 1 of the following: (3 units)

- CS 55, Java Programming (3)
- CS 82, AspNet Programming in C (3)
- CS 83R, Server-Side Ruby Web Programming (3)
- CS 87A, Python Programming (3)

ENTRY LEVEL PROGRAMMER, DEPARTMENT CERTIFICATE

This certificate provides students with the knowledge and practice needed to develop small-scale applications. The certificate also provides students with the building blocks to pursue further studies in computer science and/or start an entry-level position in the software development industry.

Required Course (3 units):

- CS 3, Introduction to Computer Applications (3)

Select 3 courses from the following: (9 units)

- CS 15, Visual Basic Programming (3)
- CS 17, Assembly Language Programming (3)
- CS 18, Advanced Assembly Language Programming (3)
- CS 19, Advanced Visual Basic Programming (3)
- CS 20A, Data Structures with C++ (3)
- CS 20B, Data Structures With Java (3)
- CS 30, MATLAB Programming (3)
- CS 32, Database Programming in Visual BasicNet (3)

CS 33, C # Programming (3)
 CS 34A, Game Programming 1 (3)
 CS 37, Web Programming In VB .Net (3)
 CS 50, C Programming (3)
 CS 51, Visual C++ Programming (3)
 CS 52, C++ Programming (3)
 CS 53A, iOS Development with Swift (3)
 CS 53B, iOS Mobile App Development (3)
 CS 55, Java Programming (3)
 CS 56, Advanced Java Programming (3)
 CS 80, Internet Programming (3)
 CS 81, Javascript Programming (3)
 CS 82, AspNet Programming In C# (3)
 CS 83, Server-Side Java Web Programming (3)
 CS 83R, Server-Side Ruby Web Programming (3)
 CS 85, PHP Programming (3)
 CS 86, Android Development (3)
 CS 87A, Python Programming (3)

INFORMATION SYSTEMS MANAGEMENT, DEPARTMENT CERTIFICATE

This program aims to provide Computer Science students with the knowledge needed to develop Information Systems in a real-world setting. Students learn how to develop medium to large scale applications while applying the skills needed to plan and budget resources in development projects from conceptual design to deployment.

Required Courses: (10 units)

CS 9A, Technology Project Management I (3) (*same as CIS 9A*)
 CS 9B, Technology Project Management II (3) (*same as CIS 9B*)
 CS 15, Visual Basic Programming (3)
 CS 88A, Independent Studies in CIS (1)

Select 1 course from the following: (3 units)

CS 19, Advanced Visual Basic Programming (3)
 CS 32, Database Programming in Visual Basic .NET (3)
 CS 37, Web Programming in Visual Basic .NET (3)

MOBILE APPS DEVELOPMENT – ANDROID, DEPARTMENT CERTIFICATE

This program provides students with the knowledge and skills necessary to work in the emerging mobile career field. Students learn how to design and write apps for the Android platform. In addition to programming courses, the program includes courses that teach the fundamentals of mobile app and icon design.

Program Learning Outcomes: Upon completion of the program, students will design — and use the Eclipse environment to develop, test, and debug — apps that run on the Android platform for mobile phones and tablets. In addition, students will use the Android Framework to develop apps for mobile devices that incorporate audio, pictures, animation, maps, networking, and the Internet.

Required Courses: (12 units)

CS 86, Android Development (3)
 CS 55, Java Programming (3)
 CS 56, Advanced Java Programming (3)
 GR DES 75, Mobile Design 1 (3)

Select 1 course from the following: (3 units)

CIS 60A, Photoshop I (3)

CS 60, Database Concepts and Applications (3)
 CS 84, Programming with XML (3)

MOBILE APPS DEVELOPMENT – IPHONE, DEPARTMENT CERTIFICATE

This program provides students with the knowledge and skills necessary to work in the emerging mobile career field. Students learn how to design and write apps for the iPhone/iPad/iPod platform. In addition to programming courses, the program includes courses that teach the fundamentals of mobile app and icon design.

Program Learning Outcomes: Upon completion of the program, students will design, develop, test, and debug iOS apps using XCode environment for iPhone, iPad, and iPod. In addition, students will develop iOS apps using Cocoa Framework that incorporate the Address Book, Audio, Video, Networking, and the Internet.

Required Courses: (9 units)

CS 53A, iOS Development with Swift (3)
 CS 53B, iOS Mobile App Development (3)
 GR DES 75, Mobile Design 1 (3)

Select 1 course from the following: (3 units)

CS 60A, Photoshop I (3)
 CS 60, Database Concepts and Applications (3)
 CS 84, Programming with XML (3)

NETWORKING, DEPARTMENT CERTIFICATE

The IT world is integrated by networks. Success in IT disciplines like database, website, or e-commerce development demands a supporting grasp of the network environment. Major technologies are the networks themselves, their fit within the operating platforms they connect to, specific network applications, and measures to achieve networks security.

Network engineers and other qualified IT specialists must understand the various protocols, programs' interfaces to them, how networks are presented and managed on Unix and Windows platforms, specific server programs and their clients, and what the inherent risks are.

Required Courses:

CS 9A, Technology Project Management I (3) (*same as CIS 9A*)
 CS 41, Linux Network Administration (3)
 CS 43, Windows Network Administration (3)
 CS 70, Network Fundamentals & Architecture (3)
 CS 75, Network Protocols and Analysis (2)
 CS 78, Secure Server Installation & Administration (3)

ROBOTICS AND ARTIFICIAL INTELLIGENCE, DEPARTMENT CERTIFICATE

This program is temporarily suspended. Many of the required classes are not being offered at this time. Students interested in this certificate program should contact the Computer Science department at 310-434-4295.

Cosmetology

The Cosmetology Department — an exciting place of color, shape, and beauty — offers the education students need to succeed in the cosmetology, skin care, and nail care industries. These well-established programs will prepare

students for a career as a platform artist, educator, stylist, colorist, salon owner, sales representative, and makeup artist, as well as offer students the opportunity to work in the television and movie industries, or on cruise ships. This program prepares students to take the State board examination for a cosmetology license.

Information regarding the cosmetology program is available in the Cosmetology Department, 310-434-4292, and through the SMC website (smc.edu).

Programs Offered:

- Cosmetology Associate Degree
- Cosmetology Certificate of Achievement (25.5 units to total 1,600 hours)
- Esthetician (*formerly Skin Care*) Department Certificate (12 units to total 600 hours)
- Nail Care Department Certificate (9 units to total 400 hours)
- Business: Salon Entrepreneurship Department Certificate (11 units)

COSMETOLOGY, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will be able to demonstrate professional level skill in her cutting, hair coloring, hair styling, nail care, and skin care. Additionally, the student will be proficient in health and safety procedures in common use in salons. Upon completion, the student will be eligible to take the California State Board of Cosmetology and Barbering licensure exam.

Required Hours:

1600 hours minimum, including the courses specified below.

Required Related Science Courses:

COSM 10A, Related Science 1A (*COSM 10 is now 10A and 10B*)

COSM 10B, Related Science 1B (*COSM 10 is now 10A and 10B*)

COSM 20, Related Science 2

COSM 30, Related Science 3

COSM 40, Related Science 4

COSM 50A, Related Science 5

COSM 50B, Practical Preparation for State Board Exam

COSM 50C, Written Preparation for State Board Exam (*only required if 50B was completed Fall 2010 or later*)

Required Hair Cutting Courses:

COSM 11A, Hair Cutting 1

COSM 21A, Hair Cutting 2

COSM 31A, Hair Cutting 3

COSM 42, Men's Hair Styling

Required Hair Styling Courses:

COSM 11B, Hair Styling 1

COSM 21B, Hair Styling 2

COSM 31B, Hair Styling 3

Required Hair Coloring Courses:

COSM 11C, Hair Coloring 1

COSM 21C, Hair Coloring 2

COSM 31C, Hair Coloring 3

Required Permanent Wave Courses:

COSM 11D, Permanent Wave 1

COSM 21D, Permanent Waving 2

Required Curly Hair Technique Courses:

COSM 11E, Curly Hair Techniques 1 (*formerly 14A*)

COSM 21E, Curly Hair Techniques 2 (*formerly 14B*)

COSM 31E, Curly Hair Techniques 3 (*formerly 24*)

Required Nail Care Courses:

COSM 16, Nail Care 1

COSM 26, Nail Care 2

COSM 36, Nail Care 3

Required Esthetician Courses:

COSM 18, Skin Care 1

COSM 28A, Skin Care 2A

COSM 28B, Skin Care 2B

COSM 38, Skin Care 3

COSM 48, Skin Care 4

COSM 48B, Advanced Make-Up

Required Salon Management Course:

COSM 64, Salon Management

Advanced Courses for Career Success: Select at least two of the courses below: (1 unit minimum)

COSM 38B, Mechanical Exfoliation

COSM 38C, Chemical Exfoliation

COSM 41B, Hair Styling 4

COSM 46, Nail Care 4

In order to fulfill required hours, operations, and/or units, select one or more of the following Salon courses: (1 unit minimum) NOTE: Students may NOT enroll in any of the courses below until they have completed at least 300 hours of practicum activity AND have completed all of the following Cosmetology courses: 10A, 10B, 11A, 11B, 11C, 11D, 11E, 16, and 18.

Salon Experience Courses:

COSM 95A, Salon Experience

COSM 95B, Salon Experience

COSM 95C, Salon Experience

COSM 95D, Salon Experience

ESTHETICIAN (FORMERLY SKIN CARE), DEPARTMENT CERTIFICATE

The esthetician program provides students with professional-level skill in client consultation, skin analysis, and manual, chemical, and electrical facials, as well as eyebrow shaping, waxing, the application of strip and individual eyelashes, and makeup application. Additionally, students will become proficient in health and safety procedures in common use in salons and spas. Upon completion, the student will be eligible to take the State Board of Cosmetology and Barbering/NIC Esthetician licensure exam.

Program Learning Outcomes: Upon completion of the program, students will demonstrate professional-level skill in client consultation, skin analysis, and manual, chemical, and electrical facials, as well as eyebrow shaping, waxing, the application of strip and individual eyelashes, and makeup application. Additionally, the student will be proficient in health and safety procedures in common use in salons and spas.

Required Hours:

600 hours minimum, including the courses specified below.

Required Related Science Courses:

COSM 10A, Related Science 1A
 COSM 10B, Related Science 1B
 COSM 20, Related Science 2
 COSM 30, Related Science 3
 COSM 50E, Written Preparation for Esthetician State Board Exam

Required Esthetician Courses:

COSM 18, Skin Care 1
 COSM 28A, Skin Care 2A
 COSM 28B, Skin Care 2B
 COSM 38, Skin Care 3
 COSM 38B, Mechanical Exfoliation
 COSM 38C, Chemical Exfoliation
 COSM 48, Skin Care 4
 COSM 48B, Advanced Make-Up

Required Salon Management Course:

COSM 64, Salon Management
 Theory and Practice Activity: In order to fulfill required hours, operations, and/or units, select one or more of the following Salon courses: (1 unit minimum) NOTE: Students may NOT enroll in any of the courses below until they have completed at least 90 hours of practicum activity AND have completed all of the following COSM courses: 10A, 10B, and 18.

Salon Experience Courses:

COSM 95A, Salon Experience
 COSM 95B, Salon Experience
 COSM 95C, Salon Experience
 COSM 95D, Salon Experience

NAIL CARE, DEPARTMENT CERTIFICATE

Program Learning Outcomes: Upon completion of the Nail Care program, students will demonstrate professional-level skill in manicures, pedicures, nail tips, acrylics, gel nails, and 3-D nail art. Additionally, the student will be proficient in health and safety procedures in common use in salons and spas.

Required Hours:

400 hours minimum, including the courses specified below.

Required Related Science Courses:

COSM 10A, Related Science 1A
 COSM 10B, Related Science 1B
 COSM 20, Related Science 2
 COSM 50N, Written Preparation for Nail Care State Board Exam

Required Nail Care Courses:

COSM 16, Nail Care 1
 COSM 26, Nail Care 2
 COSM 36, Nail Care 3
 COSM 46, Nail Care 4

Required Salon Management Course:

COSM 64, Salon Management

Theory and Practical Activity: In order to fulfill required hours, operations, and/or units, select one or more of the following Salon courses: (1 unit minimum) (NOTE: Students may NOT enroll in any of the courses below until they have completed at least 90 hours of practicum activity AND have

completed all of the following COSM courses: 10A, 10B, and 16.)

Salon Experience Courses:

COSM 95A, Salon Experience
 COSM 95B, Salon Experience
 COSM 95C, Salon Experience
 COSM 95D, Salon Experience

BUSINESS: SALON ENTREPRENEURSHIP, DEPARTMENT CERTIFICATE

A Department Certificate in Salon Business will aid cosmetologists, estheticians, and manicurists in establishing and running their own business/salon.

Required Courses:

ACCTG 21, Business Bookkeeping (3)

 BUS 1, Introduction to Business (3)
or
 BUS 20, Principles of Marketing (3)
or
 BUS 65, Management Principles (3)

 CIS 4, Business Information Systems with Applications (3)
 COSM 64, Salon Management (2)

TEACHER TRAINING (IN COSMETOLOGY)

This program is temporarily suspended. Many of the required classes are not being offered at this time. Students interested in this certificate program should contact the Cosmetology department at 310-434-4292.

Dance

The Dance program prepares the serious dance student for university transfer and provides dance training and enrichment for both the beginning and the advanced dancer. The program offers a comprehensive curriculum with a broad range of dance courses to nurture versatile dance artists. The Dance Department encourages students to think independently, to value creative thought and diversity, and to be responsible global citizens.

The goal of the Dance program is to prepare students for future careers in performance, choreography, teaching, and related careers in dance. The program offers a wide array of dance classes designed to cultivate technique, creativity, and performance skills while enhancing self-confidence, creative thought/expression, and critical thinking.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Dance Associate Degree
- Dance Teacher (Pre K-grade 5) Department Certificate (17 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year

college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at *assist.org*.

A listing of private, nonprofit California colleges and universities can be found online at *aiccu.edu*. For articulation agreements between SMC and some of these institutions see *smc.edu/articulation*.

DANCE, ASSOCIATE DEGREE

Program Learning Outcomes: Upon completion of the program, students will develop an understanding and appreciation of the aesthetics inherent in the art of dance, as well as develop an awareness and respect for similar and dissimilar cultures. Students acquire the historical knowledge, necessary technical skills, and knowledge in a particular style of dance, as well as observation/analysis of dance presented on stage or in media. Students implement critical thinking skills and kinesthetic awareness through creative experience in class, learning to communicate through the power of movement, and discovering self-motivation.

Required Courses: (19 units)

- DANCE 5, Dance History (3)
- DANCE 33, Ballet 3 (2)
- DANCE 34, Ballet 4 (2)
- DANCE 35, Ballet 5 (2)
- DANCE 36, Ballet 6 (2)
- DANCE 43, Contemporary Modern Dance 3 (2)
- DANCE 44, Contemporary Modern Dance 4 (2)
- DANCE 45, Contemporary Modern Dance 5 (2)
- DANCE 46, Contemporary Modern Dance 6 (2)

Performance Courses, select two courses from the following: (6 units)

- DANCE 55A, Dance Performance – Modern (3)
- DANCE 57A, World Dance Performance (3)
- DANCE 59A, Dance Performance – Ballet (3)

Choreography, select 2 units from the following:

- DANCE 60, Fundamentals of Choreography 1 (2)
- DANCE 61, Fundamentals of Choreography 2 (2)
- DANCE 62, Fundamentals of Choreography 3 (2)
- DANCE 63, Fundamentals of Choreography 4 (2)

Additional Electives, select at least 2 units from the following:

- DANCE 2, Dance in American Culture (3)
- DANCE 7, Music for Dance (3)
- DANCE 9, Dance Productions (3)
- DANCE 10, Fundamentals of Dance Technique (2)
- DANCE 11, Beginning Hip Hop Dance (2)
- DANCE 12, Intermediate Hip Hop Dance (2)
- DANCE 14, Beginning Modern Jazz Dance (1)
- DANCE 15, Intermediate Modern Jazz (1)
- DANCE 16, Advanced Modern Jazz (1)
- DANCE 17, Beginning Tap (1)
- DANCE 18, Intermediate Tap (1)
- DANCE 19, Ballroom Dance (1)
- DANCE 20, World Dance Survey (2)
- DANCE 21, Asian Pacific Dance Survey (2)
- DANCE 22, Mexican Dance (2)

- DANCE 23, Intermediate Mexican Dance (2)
- DANCE 24, Flamenco Dance (2)
- DANCE 25, African Dance (2)
- DANCE 27, Brazilian Dance (2)
- DANCE 27B, Intermediate Brazilian Dance (2)
- DANCE 29, Middle Eastern/North African Dance (2)
- DANCE 31, Ballet 1 (1)
- DANCE 32, Ballet 2 (1)
- DANCE 37, Beginning Pointe (1)
- DANCE 41, Contemporary Modern Dance 1 (1)
- DANCE 42, Contemporary Modern Dance 2 (1)
- DANCE 55B, Dance Repertory – Modern (1)
- DANCE 55C, Modern Dance Staging Techniques (1)
- DANCE 57B, Repertory World Dance (1)
- DANCE 57C, World Dance Staging Techniques (1)
- DANCE 70, Dance Staging Techniques (1)
- DANCE 75, Dance for Children: Creative Dance in the Pre-K and Elementary Classroom (3) (*same as ECE 75*)
- DANCE 79, Dance Study Tour (1)

DANCE TEACHER (PRE K-GRADE 5), DEPARTMENT CERTIFICATE

The Dance Teacher (Pre K-Grade 5) Department Certificate program is specifically designed for students seeking to expand their dance and pedagogical experience as a dance educator in the Pre K-grade 5 setting. The curriculum is designed to be completed in two semesters of study. Students complete coursework through the Dance, Early Childhood Education, and Psychology departments. Coursework includes hands-on experience teaching in a Pre K-grade 5 classroom under the supervision of an experienced dance educator. Upon completion, the student is familiar with the planning, implementation, and assessment of dance education in the Pre K-grade 5 setting.

The Santa Monica College Dance Teacher Department Certificate provides practical experience for:

- Instructors in dance programs in Pre K-grade 5 schools;
- Classroom teachers in Pre K-grade 5 schools;
- Instructors and studio directors in private schools of dance;
- Instructors and directors for community-based dance programs;
- Instructors for dance-company residencies in Pre K-grade 5 schools;
- Teaching-artists for nonprofit arts organizations; and
- Teaching-artists for professional schools associated with dance companies.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive knowledge in developing, implementing, and assessing sequential dance programs in Pre K-grade 5 public and independent school settings. Students will identify the role of dance education within these settings and apply creative movement experiences to reinforce understanding of curriculum concepts including science, history, literature, and math.

Core Courses: (11 units)

- DANCE 75, Dance for Children: Creative Dance in the Pre-K and Elementary Classroom (3) (*same as ECE 75*)
- DANCE 90B, Internship in Dance (2)

ECE 2, Principles and Practices of Teaching Young Children (3)

PSYCH 11, Child Growth and Development (3)

Ballet Electives, select 2 units from the following:

DANCE 33, Ballet 3 (2)

DANCE 34, Ballet 4 (2)

DANCE 35, Ballet 5 (2)

DANCE 36, Ballet 6 (2)

Modern Dance Electives, select 2 units from the following:

DANCE 43, Contemporary Modern Dance 3 (2)

DANCE 44, Contemporary Modern Dance 4 (2)

DANCE 45, Contemporary Modern Dance 5 (2)

DANCE 46, Contemporary Modern Dance 6 (2)

World Dance Electives, select 2 units from the following:

DANCE 11, Beginning Hip Hop Dance (2)

DANCE 12, Intermediate Hip Hop Dance (2)

DANCE 20, World Dance Survey (2)

DANCE 21, Asian Pacific Dance Survey (2)

DANCE 22, Mexican Dance (2)

DANCE 23, Intermediate Mexican Dance (2)

DANCE 24, Flamenco Dance (2)

DANCE 25, African Dance (2)

DANCE 27, Brazilian Dance (2)

DANCE 27B, Intermediate Brazilian Dance (2)

DANCE 29, Middle Eastern/North African Dance (2)

Digital Media

See *Entertainment Technology*

Early Childhood Education

Early Childhood Education majors will be trained to supervise and provide care and learning experiences for infant through eight-year-old children in a variety of early childhood settings. Early Childhood Education professionals adhere to the guidelines as well as the Professional Code of Ethics of the National Association for the Education of Young Children (NAEYC) providing developmentally appropriate learning opportunities for the enhancement of the physical, intellectual, social, emotional and creative domains of young children.

The Early Childhood Education major focuses on educational practices that emphasize interpersonal relationships, cultural diversity, child-centered curriculum and the inclusion of children with special needs in all educational opportunities.

The Early Childhood Education Program major follows a natural progression that allows students to move from short to long-term educational goals: preparation for the state Children's Center Permit, fulfillment of post-certificate Professional Development, completion of advanced California Career Ladder courses (including paired specialization courses as well as the California State Mentor course), completion of an Associate degree in Early Childhood Education – Career, Associate degree in Early Childhood Intervention assistant, Associate degree in Early Childhood Intervention Teacher, and transfer to a four-year institution.

Transfer and program requirements are subject to change. For the most up-to-date information regarding transfer preparation visit assist.org and regarding degree and certificate requirements visit smc.edu/articulation.

Possible Early Childhood Education career goals include Early Childhood Education Teacher, Early Education Director, Early Childhood Intervention Assistant, Early Childhood Intervention Teacher, Family Home Child Care Provider, Private ECE Center Owner/Director, K through 12 Teacher, Early Childhood Special Education Teacher, K through 12 Special Education Teacher, Parent Educator, Early Childhood Education Instructor, Marriage Family and Child Counselor, Child-Life Specialist.

The Early Childhood Intervention Assistant program will prepare students for career placements in public and/or private early intervention and educational settings that serve typically and atypically developing young children. Specific jobs and responsibilities may include serving as an early childhood educator with a specialization in working with children with special needs, special education assistant for children birth to eight years of age, a one-to-one aide for a child (e.g., "inclusion facilitator"), classroom aide with expertise in special needs, or as an assistant to the early intervention team for infants birth to three years of age.

Grid for Early Childhood Education courses at California Community Colleges can be found at: childdevelopment.org/cs/cdct/print/htdocs/services_colleges_aligned.htm

Programs Offered:

- Transfer Preparation
- Early Childhood Education Associate Degree for Transfer

Students may satisfy the requirements of this degree with approved courses (which may be fewer units) taken at other California Community Colleges. The courses listed below are SMC courses. If completed entirely at SMC, the Area of Emphasis requires 27 units.

- Early Childhood Education – Career Associate Degree
- Early Intervention Assistant Associate Degree
- Infant/Toddler Teacher Associate Degree
- Early Childhood Associate Teacher – Certificate of Achievement (12 units)
- Early Childhood Education – Career Certificate of Achievement (30 units)
- Early Intervention Assistant Certificate of Achievement (33 units)
- Infant/Toddler Teacher Certificate of Achievement (30 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

SMC offers the **Early Childhood Education Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Early Childhood Education AS-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/ad-search/search.shtml

- Bakersfield: Child Adolescent and Family Studies – General, BA
- Channel Islands: Early Childhood Studies – Early Childhood Studies – General, BA
- Chico: Child Development – General, BA
- Dominguez Hills: Child Development – General, BS
- East Bay: Human Development – Adolescent Development, BA
- East Bay: Human Development – Adult Development and Gerontology, BA
- East Bay: Human Development – Childhood Development, BA
- East Bay: Human Development – Early Childhood Development, BA
- East Bay: Human Development – Women’s Development, BA
- Fresno: Child Development, BS
- Fullerton: Child and Adolescent Development – Child and Adolescent Development – General, BS
- Humboldt: Liberal Studies – Child Development, BA
- Humboldt: Liberal Studies – Child Development/Elementary Education, BA
- Long Beach: Family and Consumer Sciences – Child Development and Family Studies, BA
- Los Angeles: Child Development – General, BA
- Monterey Bay: Human Development and Family Studies – General, BA
- Northridge: Child and Adolescent Development – Early Childhood Development, BA
- Pomona: Early Childhood Studies – General, BA
- Pomona: Gender, Ethnicity, and Multicultural Studies – Gender, Ethnicity, and Multicultural Studies, BA
- Pomona: Gender, Ethnicity, and Multicultural Studies – Gender, Ethnicity, and Multicultural Studies Pre-Credential, BA
- Sacramento: Child Development – Early Development, Care and Education, BA
- Sacramento: Child Development – Elementary Pre-Credential, BA
- Sacramento: Child Development – Individualized, BA
- Sacramento: Child Development – Social and Community Settings, BA
- San Francisco: Child and Adolescent Development – Early Childhood, BA
- San Francisco: Child and Adolescent Development – School Age Child and Family, BA
- San Francisco: Child and Adolescent Development – Youth Work and Out of School Time, BA

- San Jose: Child and Adolescent Development – Child and Adolescent Development, BA
- San Jose: Humanities – Liberal Arts, BA
- Sonoma: Early Childhood Studies – Early Childhood Studies – General, BA
- Stanislaus: Child Development – Child Development Early Childhood Track, BA
- Stanislaus: Child Development – Child Development General Track, BA
- Stanislaus: Child Development – Child Development Middle Childhood Track, BA
- Stanislaus: Child Development – Child Development Services Track, BA

EARLY CHILDHOOD EDUCATION, ASSOCIATE DEGREE FOR TRANSFER

The Santa Monica College AS-T in Early Childhood Education provides students with a strong academic foundation in the field and prepares them for upper-division baccalaureate study. This coursework will satisfy most of the lower-division Early Childhood Education requirements at many institutions. This degree is intended for students who are interested in Early Childhood Education and are planning on transferring to a four-year university.

Early Childhood Education professionals adhere to the guidelines, as well as the Professional Code of Ethics of the National Association for the Education of Young Children (NAEYC) providing developmentally appropriate learning opportunities for the enhancement of the physical, intellectual, social, emotional, and creative domains of young children.

Completion of this degree will likely give the student priority admission consideration in the majors at the CSU campuses listed below. In addition, the student will need to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the degree. Students considering transfer to a UC, private, or out-of-state university should consult a counselor before applying to transfer, as that institution’s transfer requirements might be different from those required for the AS-T in Early Childhood Education.

Program Learning Outcomes: Upon completion of the program, students will demonstrate the knowledge, skills, and dispositions to meet the entry-level requirements for early childhood professionals working in programs regulated by the California Department of Social Services (Title 22). This degree is designed to meet the requirements for the California Child Development Teacher permit and satisfies the coursework required to transfer to a four-year institution.

Required Core Courses: (27 units)

- ECE 2, Principles and Practices of Teaching Young Children (3)
- ECE 11, Child, Family and Community (3)
- ECE 17, Introduction to Curriculum (3)
- ECE 19, Teaching in a Diverse Society (3)
- ECE 21, Observation and Assessment (4)
- ECE 22, Practicum in Early Childhood Education (5)
- ECE 64, Health, Safety and Nutrition for Young Children (3)
- PSYCH 11, Child Growth and Development (3)

EARLY CHILDHOOD EDUCATION – CAREER, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Please note: This is NOT the CSU transfer degree. For details about the Early Childhood Education Associate in Science for Transfer (AS-T) to CSU, please see above.

Program Learning Outcomes: Upon completion of the program, students will demonstrate the knowledge, skills, and dispositions to meet the entry-level requirements for early childhood professionals working in programs regulated by the California Department of Social Services (Title 22). This degree is designed to meet the requirements for a California Child Development Teacher Permit.

Required Core Courses: (24 units)

- ECE 2, Principles and Practices of Teaching Young Children (3)
- ECE 11, Child, Family and Community (3)
- ECE 21, Observation and Assessment (4)
- ECE 22, Practicum in Early Childhood Education (5)
- ECE 45, Introduction to Children with Special Needs (3)
- ECE 64, Health, Safety and Nutrition for Young Children (3)
- PSYCH 11, Child Growth and Development (3)

Required Curriculum Courses; Select 2 courses from the following: (6 units)

- ECE 4, Language and Literature for the Young Child (3)
- ECE 5, Math and Science for the Young Child (3)
- ECE 8, Creative Experiences – Art, Music and Movement (3)
- ECE 17, Introduction to Curriculum (3)

Recommended Additional Coursework: Students may want to consider some of the following courses to deepen their knowledge and understanding. These courses are recommended, not required, for this program.

- ECE 9, Introduction to School-Age Child Care (3)
- ECE 23, Practicum in Early Intervention (5)
- ECE 30, Strategies for Working with Challenging Behaviors (3)
- ECE 32, Communicating with Families (3)
- ECE 43, Administration 2: Personnel and Leadership in Early Childhood Education (3)
- ECE 45, Introduction to Children with Special Needs (3)
- ECE 46, Infant and Toddler Development (3)
- ECE 47, Developing Family Childcare (1)
- ECE 48, Adult Supervision and Mentoring in Early Education (3)
- ECE 49, Curriculum and Strategies for Children with Special Needs (3)
- ECE 51, The Reggio Approach (3)
- ECE 54, Documentation: Making Learning Visible (3)
- ECE 55, Environment as the Third Teacher (3)
- ECE 75, Dance for Children: Creative Dance in the Pre-K and Elementary Classroom (3) (*same as DANCE 75*)
- EDUC 1, Careers in Education (3)
- EDUC 2, The Early Childhood Through 12th Grade Teaching Experience (3)
- PSYCH 1, General Psychology (3)

EARLY CHILDHOOD ASSOCIATE TEACHER, CERTIFICATE OF ACHIEVEMENT

Students completing an Early Childhood Associate Teacher certificate are qualified to teach in a private child development program licensed under Title 22 of the Department of Social Services. It also fulfills the educational requirements for students seeking a California Child Development Permit Matrix at the Associate Teacher level issued by the California Commission of Teaching Credentialing. Students that desire to work in a early childhood setting are required to minimally complete these core classes.

Program Learning Outcomes: Upon completion of the program, students will demonstrate the knowledge, skills and dispositions to meet the entry-level requirements for early childhood professionals working in programs regulated by the California Department of Social Services (Title 22). This certificate is designed to meet the Early Childhood Education coursework which is one of the two requirements needed to qualify for the California Child Development Associate Teacher permit.

Required Courses: (9 units)

- ECE 2, Principles and Practices of Teaching Young Children (3)
- ECE 11, Child, Family and Community (3)
- PSYCH 11, Child Growth and Development (3)

Select 1 additional course from the following courses: (3 units)

- ECE 4, Language and Literature for the Young Child (3)
- ECE 5, Math and Science for the Young Child (3)
- ECE 8, Creative Experiences – Art, Music, and Movement (3)
- ECE 17, Introduction to Curriculum (3)

EARLY INTERVENTION ASSISTANT, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will demonstrate the knowledge, skills, and dispositions to work with young children with special needs and with those who may be at risk for developmental delays and disabilities, and with their families. The degree and certificate programs are appropriate for students working as assistants or paraprofessionals in early intervention or early childhood special education. The degree program is also appropriate for students working as early childhood teachers in an inclusive early childhood program licensed by the California Department of Social Services (Title 22). The degree is designed to meet the requirements for the California Child Development Teacher permit, while the certificate is designed to meet two of the three requirements needed to qualify for the California Child Development Teacher permit.

Required Courses:

- ECE 2, Principles and Practices of Teaching Young Children (3)
- ECE 11, Child, Family and Community (3)
- ECE 17, Introduction to Curriculum (3)
- ECE 21, Observation and Assessment (4)
- ECE 23, Practicum in Early Intervention (5)
- ECE 45, Introduction to Children with Special Needs (3)
- ECE 46, Infant and Toddler Development (3)

ECE 49, Curriculum and Strategies for Children with Special Needs (3)
 ECE 64, Health, Safety and Nutrition for Young Children (3)
 PSYCH 11, Child Growth and Development (3)

INFANT/TODDLER TEACHER, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

This program prepares students to work with infants/toddlers (0-36 months) enabling the student to assist a teacher in a public infant/toddler program or teach infants/toddlers in a private child care setting. In addition, students will develop skills to create respectful, reciprocal relationships that support, empower, and involve families in their children's learning and development.

Early Childhood Education professionals adhere to the guidelines as well as the Professional Code of Ethics of the National Association for the Education of Young Children (NAEYC) providing developmentally appropriate learning opportunities for the enhancement of the physical, intellectual, social, emotional and creative domains of young children.

Program Learning Outcomes: Upon completion of the program, students will demonstrate an understanding of young children and the multiple interacting influences on children's development and learning in order to create environments that are respectful and supportive for all children, especially those 0-36 months old.

Upon completion of the program, students will demonstrate the ability to create respectful, reciprocal relationships that support and empower families, and involve families in their children's learning and development.

Required Courses:

PSYCH 11 Child Growth and Development (3)
 ECE 2 Principles and Practices of Teaching Young Children (3)
 ECE 11 Child, Family and Community (3)
 ECE 17 Introduction to Curriculum (3)
 ECE 21 Observation and Assessment (4)
 ECE 22 Practicum in Early Childhood Education (5)
 ECE 32 Communicating With Families (3)
 ECE 46 Infant and Toddler Development (3)
 ECE 71 Infants and Toddler Education and Care (3)

ADDITIONAL INFORMATION: CHILD DEVELOPMENT PERMIT MATRIX (WITH ALTERNATIVE QUALIFICATION OPTIONS)

This matrix was prepared by the Child Development Training Consortium. To obtain a permit application, visit childdevelopment.org or call (209) 572-6080.

Assistant (optional)

Education Requirement:

OPTION 1:

6 units of Early Childhood Education (ECE)

or

Child Development (CD)

Experience Requirement: None

Alternative Qualifications:

OPTION 2:

Accredited HERO Program (including ROP)

Authorization: Authorizes the holder to care for and assist in the development and instruction of children in a child care and development program under the supervision of an Associate Teacher, Teacher, Master Teacher, Site Supervisor, or Program Director.

Five Year Renewal: 105 hrs. of professional growth*****

Associate Teacher

Education Requirement:

OPTION 1:

12 units of ECE/CD including core courses**

Experience Requirement: 50 days of 3+ hours per day within 2 years

Alternative Qualifications:

OPTION 2:

Child Development Associate (CDA) Credential Authorization: Authorizes the holder to provide service in the care, development, and instruction of children in a child care and development program, and supervise an Assistant and an aide.

Five Year Renewal: Must complete 15 additional units toward a Teacher Permit. Must meet Teacher requirements within 10 years.

Teacher

Education Requirement:

OPTION 1:

24 units ECE/CD including core courses** plus 16 general education units* plus 6 specialization units, plus 2 adult supervision units

Experience Requirement: 175 days of 3+ hours per day within 4 years

Alternative Qualifications:

OPTION 2:

Associate degree **or** higher in ECE/CD **or** related field with 3 units of supervised field experience in ECE/CD setting

Authorization: Authorizes the holder to provide service in the care, development, and instruction of children in a child care and development program, and supervise an Associate Teacher, Assistant, and an aide.

Five Year Renewal: 105 hours of professional growth*****

Master Teacher

Education Requirement:

OPTION 1:

24 units ECE/CD including core courses**, plus 16 general education units*, plus 6 specialization units, plus 2 adult supervision units

Experience Requirement: 350 days of 3+ hours per day within 4 years

Alternative Qualifications:

OPTION 2:

B.A. **or** higher (does not have to be in ECE/CD) with 12 units of ECE/CD, plus 3 units of supervised field experience in ECE/CD setting

Authorization: Authorizes the holder to provide service in the care, development, and instruction of children in a child care and development program, and supervise a Teacher, Associate Teacher, Assistant, and an aide. The permit also

authorizes the holder to serve as a coordinator of curriculum and staff development.

Five Year Renewal: 105 hours of professional growth*****

Site Supervisor

Education Requirement:

OPTION 1:

Associate degree (**or** 60 units) which includes: 24 ECE/CD units with core courses**, plus 6 administration units, plus 2 adult supervision units

Experience Requirement: 350 days of 3+ hours per day within 4 years, including at least 100 days of supervising adults

Alternative Qualifications:

OPTION 2:

B.A. **or** higher (does not have to be in ECE/CD) with 12 units of ECE/CD, plus 3 units of supervised field experience in ECE/CD setting;

or

OPTION 3:

Admin. Credential*** with 12 units of ECE/CD, plus 3 units supervised field experience in ECE/CD setting;

or

OPTION 4:

Teaching credential**** with 12 units of ECE/CD, plus 3 units supervised field experience in ECE/CD settings

Authorization: Authorizes the holder to supervise a child care and development operating as a single site; provide services in the care, development, and instruction of children in a child care and development program; and serve as a coordinator of curriculum and staff development.

Five Year Renewal: 105 hours of professional growth*****

Program Director

Education Requirement:

OPTION 1:

B.A. **or** higher (does not have to be in ECE/CD) including: 24 ECE/CD units with core courses**, plus 6 administration units, plus 2 adult supervision units

Experience Requirement: One year of Site Supervisor experience

Alternative Qualifications:

OPTION 2:

Admin. credential*** with 12 units of ECE/CD, plus 3 units supervised field experience in ECE/CD setting;

or

OPTION 3:

Teaching credential*** with 12 units of ECE/CD, plus 3 units supervised field experience in ECE/CD setting, plus 6 units administration;

or

OPTION 4:

Master's Degree in ECE/CD or Child/Human Development

Authorization: Authorizes the holder to supervise a child care and development program operating in a single site or multiple sites; provide service in a care, development, and instruction of children in a child care and development program; and serve as coordinator of curriculum and staff development.

Five Year Renewal: 105 hours of professional growth*****

NOTE: All unit requirement listed above are semester units. All coursework must be completed with a grade of C or better from a regionally accredited college. Spanish translation is available.

**One course in each of four general education categories, which are degree-applicable: English/Language Arts, Math, or Science, Social Science, Humanities and/or Fine Arts.*

***Core courses include child/human growth and development, Child/Family/Community, or Child and Family Relations; and Programs/Curriculum. A student must have a minimum of three semester units or four quarter units in each of the core areas.*

****Holder of the Administrative Services Credential may serve as a Site Supervisor or Program Director.*

*****A valid Multiple Subject or a Single Subject in Home Economics.*

******Professional growth hours must be completed under the guidance of a Professional Growth Advisor. Call (209) 572-6080 for assistance in locating an advisor.*

Economics

Economists study how society can best use scarce resources such as land, raw materials, capital, and labor. They analyze the relationships between the supply of goods and services and the demand for them, as well as how these goods and services are produced, distributed, and consumed. Some economists work on public issues such as the control of inflation, business cycles, unemployment, wage, tax, and tariff policies. Economics is widely recognized as a solid background for a career in business, government, law, teaching and research.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Economics Associate Degree for Transfer
Students may satisfy the requirements of this degree with approved courses (which may be fewer units) taken at other California Community Colleges. The courses listed below are SMC courses. If completed entirely at SMC, the Area of Emphasis requires 21 units.

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system** has a transfer pathway for any UC campus that offers Economics. For more information, visit pathwaysguide.universityofcalifornia.edu

SMC offers the **Economics Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Economics AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/adt-search/search.shtml

- Bakersfield: Economics – General, BS
- Channel Islands: Economics – General Economics, BA
- Channel Islands: Economics – International Economics, BA
- Channel Islands: Economics – Managerial Economics, BA
- Chico: Economics – General, BA
- East Bay: Economics – General Economics, BA
- East Bay: Economics – Social Science Economics, BA
- Fresno: Economics, BA
- Fullerton: Economics – General, BA
- Humboldt: Economics – General, BA
- Long Beach: Business Economics – Business Economics – General, BA
- Long Beach: Economics – General, BA
- Long Beach: Economics – Mathematical Economics and Economic Theory, BA
- Northridge: Economics – General, BA
- Pomona: Economics – General, BS
- Sacramento: Economics – Economics – General, BA
- San Bernardino: Economics – Applied Economics Track, BA
- San Bernardino: Economics – General, BA
- San Bernardino: Economics – Mathematical Economics Track, BA
- San Bernardino: Economics – Political Economy Track, BA
- San Diego: Economics – General, BA
- San Francisco: Economics – Economics – General, BA
- San Jose: Economics, BA
- San Jose: Economics, BS
- San Jose: Humanities – Liberal Arts, BA
- San Marcos: Economics – General, BA
- Sonoma: Economics – International Economics, BA
- Sonoma: Economics – Labor and Public Economics, BA
- Sonoma: Economics – Managerial Economics, BA
- Stanislaus: Economics – General, BA

ECONOMICS, ASSOCIATE DEGREE FOR TRANSFER

The Associate in Arts in Economics for Transfer (AA-T) involves the study of how society can best use scarce resources such as land, raw materials, capital, and labor. The course of study analyzes the relationships between the supply of goods and services and the demand for them, as well as how these goods and services are produced, distributed, and consumed. Some economists work on public issues such as the control of inflation, business cycles, unemployment, wage, tax, and tariff policies. Economics is widely recognized as a solid background for a career in business, government, law, teaching and research.

Upon successful completion of the Associate in Arts in Economics for Transfer (AA-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Completion of the degree indicates that the student will have satisfied the lower-division requirements for transfer into economics or similar majors for many campuses in the California State University system.

Program Learning Outcomes: Upon completion of the program, students will demonstrate, through written and oral academic work, an understanding of how the market economy fundamentally operates. Specifically, students will develop the quantitative reasoning and critical analytic/graphical skills necessary to comprehend and explain basic microeconomic and macroeconomic concepts and functions, including, but not limited to, supply and demand, pricing decision, firm's production decisions and profit maximization decision under various market structures, contending perspectives of economic thought, and the impacts of government policies (fiscal and monetary policies) on gross domestic product, unemployment, inflation, budget deficits, national debt, foreign currency, and the international economy.

Required Core Course: (9 units)

- ECON 1, Principles of Microeconomics (3)
- ECON 2, Principles of Macroeconomics (3)
- MATH 54, Elementary Statistics (4)

Required Calculus Courses: (3 units)

- MATH 7, Calculus 1 (5)

or

- MATH 28, Calculus 1 for Business and Social Science (5)

LIST A: Select 1 course from the following: (3 units minimum)

- ACCTG 1, Introduction to Financial Accounting (5)
- ACCTG 2, Corporate Financial and Managerial Accounting (5)
- ARABIC 1, Elementary Arabic 1 (5)
- BUS 5, Business Law and the Legal Environment (3)
- BUS 6, Advanced Business Law (3) (formerly same as ACCTG 26)
- BUS 32, Business Communications (3)
- CHNESE 1, Elementary Chinese (Mandarin I) (5)
- CHNESE 2, Elementary Chinese 2 (5)
- ENGL 2, Critical Analysis and Intermediate Composition (3)
- ENGL 70, Technical Communication (3)
- HIST 47, The Practice of History (3)
- MATH 2, Precalculus (5)

MATH 8, Calculus 2 (5)
 MATH 29, Calculus II for Business and Social Science (3)
 SPAN 1, Elementary Spanish I (5)
 SPAN 2, Elementary Spanish II (5)
 SPAN 3, Intermediate Spanish I (5)
 SPAN 4, Intermediate Spanish II (5)
 SPAN 11, Spanish for Heritage Speakers I (5)
 SPAN 12, Spanish for Native Speakers 2 (5)
 Other SMC Modern Language courses may be substituted.

LIST B: Select 1 course from the following: (3 units minimum)

Any course not used in List A
 ECON 5, International Political Economy: Introduction to Global Studies (3) (*same as POL SC 5 and GLOBAL 5*)
 ECON 6, Contemporary Economic Problems (3)
 ECON 15, Economic History of the US (3) (*same as HIST 15*)
 MATH 11, Multivariable Calculus (5)
 MATH 13, Linear Algebra (3)

Education

Programs Offered:

- Transfer Preparation

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

Energy Efficiency

This program is designed to provide formal training for individuals who seek entry into the Energy Services field. Students will learn to conduct energy audits in residential buildings; establish energy efficiency benchmarks for commercial buildings and data center physical infrastructures; and help utilize resources more efficiently by reducing lighting, and lowering heating and cooling energy consumption in building systems and processes.

Students will learn to provide analyses and recommendations that will help suggest alternative energy sources, as well as unconventional lighting, cooling, space heating, and resource management procedures.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Energy Efficiency Specialist Department Certificate (13 units)
- See also Photovoltaic Installation

ENERGY EFFICIENCY SPECIALIST, DEPARTMENT CERTIFICATE

Program Learning Outcomes: Students will be able to identify the salient concerns related to safe and efficient energy use in the built environment and the issues that threaten the ecological conditions on the planet related to energy production and use. Students will be able to explain how a solar cell converts sunlight into electrical power and how power is conditioned for use in buildings. Students will be proficient in conducting an energy utilization index (EUI) analysis. Students will be able to recognize the physical properties that consume or produce energy in residential and commercial energy systems, including HVAC, lighting, and renewable energy systems. Students will be able to apply appropriate regulatory codes when conducting energy efficiency requirements for new and existing buildings, and compliance with new Zero Net Energy (ZNE) code requirements.

Required Courses:

- ENERGY 1, Introduction to Energy Efficiency (3)
- ENERGY 2, Energy Efficiency 2: Residential Building Science (3)
- ENERGY 3, Commercial Building Science (4)
- PV 11, Introduction to Solar Photovoltaics (3)

Engineering

Engineers apply the theories and principles of science and mathematics to research and develop economical solutions to practical technical problems. Their work is the link between scientific discoveries and commercial applications. Engineers design products, the machinery to build those products, the factories in which those products are made, and the systems that ensure the quality of the product and efficiency of the workforce and manufacturing process. There are a variety of engineering fields: electrical, mechanical, civil, industrial, aeronautical, chemical, materials, nuclear, petroleum and mining engineering.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Related Program: Liberal Arts -- Arts and Humanities

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system** has a **transfer pathway** for any UC campus that offers Electrical Engineering and Mechanical Engineering. For more information, visit pathwaysguide.universityofcalifornia.edu

Due to the competitive nature of Engineering programs, students are advised to complete as many lower-division courses as possible prior to transfer. Please see a counselor for more information.

To be minimally eligible to transfer to a UC campus, transfer students must complete four (4) general education courses chosen from at least two of the following areas: Arts and Humanities, Social and Behavioral Sciences, Physical and Biological Science, and two composition courses. Please see a Santa Monica College counselor for additional information.

English

English majors develop written and spoken mastery of the English language, creativity of thought, and an appreciation of the language's literature. The English major can lead to a career in teaching at all levels. Additional careers include advertising copywriter, editor, foreign correspondent, literary agent, media planner, reporter, fundraiser, paralegal, public administrator, speechwriter, information abstractor/information indexer, interpreter & translator.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Related Program: Liberal Arts -- Arts and Humanities

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system** has a **transfer pathway** for any UC campus that offers English. For more information, visit pathwaysguide.universityofcalifornia.edu

Entertainment Promotion and Marketing Production

See *Media Studies*

Entertainment Technology

The mission of the Entertainment Technology program is to provide students with a comprehensive and well rounded education in rapidly evolving media fields. The Entertainment Technology curriculum is designed to meet the changing needs of the entertainment industry. Entertainment Technology courses are comprehensive and rigorous, covering areas such as Animation, Game Development, Post-Production, and Visual Effects. Students will develop professional portfolios, work in teams, and may participate in internships with industry partners when available.

While the Entertainment Technology certificate programs are designed as full-time programs, students may also attend part-time. Courses are available during the day and evenings Monday through Friday and during the day on Saturday. For additional information, please refer to academy.smc.edu.

Programs Offered:

- Animation Associate Degree
- Digital Media Associate Degree
- Animation Certificate of Achievement (50 units)
- Digital Media Certificate of Achievement (44 units)
- 2D Animation Department Certificate (16 units)
- 3D Animation Department Certificate (16 units)
- 3D Modeling Department Certificate (16 units)
- 3D Rendering Department Certificate (16 units)
- Digital Effects Department Certificate (16 units)
- Game Development (*formerly Game Design*) Department Certificate (16 units)
- Visual Development Department Certificate (16 units)

ANIMATION, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

See *recommended course sequence below*.

The Animation Associate degree is a comprehensive study of 2D and 3D animation techniques, taking four semesters of full-time study to complete.

Program Learning Outcomes: Upon completion of the program, students will be able to develop original and effective animation projects using industry-standard tools and methodologies.

Required Core Courses: (34 units)

- ET 2, Storytelling (3)
- ET 3, Principles of Project Management (3)
- ET 18, Storyboarding (3)
- ET 20, Visual Development (3)
- ET 24, 3D Fundamentals I (4)
- ET 31A, Digital Video Fundamentals (3)
- ET 40, Digital Audio Fundamentals (3)
- ET 61, History of Animation (3)
- ET 72, Career Exploration (2)
- ET 91, Perspective Drawing (2)
- ET 94, Color Theory (2)
- GR DES 64, Digital Imaging for Design I (3)

Required Concentration: Select 1 of the following concentrations: (minimum 16 units as specified)

GROUP A: 2D Animation Concentration: 16 units

ET 19A, Beginning 2D Animation (3)
 ET 19B, Advanced 2D Animation (3)
 ET 30, Animation Project (4)
 ET 34, Web Animation I (3)
 ET 75, Digital Production for 2D Animation (3)

GROUP B: 3D Animation Concentration: 16 units

ET 19A, Beginning 2D Animation (3)
 ET 24B, 3D Character Animation (3)
 ET 24C, Advanced 3D Character Animation (3)
 ET 24D, Digital Previsualization (3)
 ET 30, Animation Project (4)

GROUP C: 3D Modeling Concentration: 16 units

ET 25, 3D Modeling and Rigging (3)
 ET 25B, 3D Character Creation (3)
 ET 25C, 3D Character Rigging (3)
 ET 26, 3D Rendering (3)
 ET 30, Animation Project (4)

GROUP D: 3D Rendering Concentration: 16 units

ET 25, 3D Modeling and Rigging (3)
 ET 26, 3D Rendering (3)
 ET 30, Animation Project (4)
 ET 32, Digital Compositing (3)
 ET 38, Digital Imaging II (3)

GROUP E: Digital Effects Concentration: 16 units

ET 30, Animation Project (4)
 ET 32, Digital Compositing (3)
 ET 33, Advanced Digital Compositing (3)
 ET 63, Digital Tracking & Integration (3)
 ET 64, Digital Effects I (3)

GROUP F: Game Development Concentration: 16 units

ET 13, 2D Game Prototyping (3)
 ET 15, Beginning 3D Level Design (3)
 ET 30, Animation Project (4)
 ET 42, Principles of Game Development (3)
 ET 44, Game Design/Play Mechanics (3)

GROUP G: Visual Development Concentration: 16 units

ET 21A, Character Design (3)
 ET 21B, Environment Design (3)
 ET 21C, Prop and Vehicle Design (3)
 ET 30, Animation Project (4)
 ET 38, Digital Imaging for Design 2 (3)

DIGITAL MEDIA, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

This program provides students with a comprehensive hands-on education using industry-standard digital media tools. Focusing on the design and implementation of digital media for the entertainment industry, this program covers a range of real-world audio and video production and post-production techniques, as well as traditional principles of storytelling and visual communication.

Program Learning Outcomes: Upon completion of the program, students will be able to develop original and effective digital media projects using industry-standard tools and methodologies.

Required Courses:

ET 2, Storytelling (3)
 ET 3, Principles of Project Management (3)
 ET 18, Storyboarding (3)
 ET 31A, Digital Video Fundamentals (3)
 ET 31B, Digital Video Editing (3)
 ET 32, Digital Compositing (3)
 ET 38, Digital Imaging for Design 2 (3)

ET 40, Digital Audio Fundamentals (3)

ET 41, Digital Audio Post Production (3)

or

ET 41M, Digital Music Production (3)

ET 60, Post Production Project (3)

ET 94, Color Theory and Application (2)

FILM 1, Film Appreciation: Introduction to Cinema (3)

GR DES 64, Digital Imaging for Design I (3) (*formerly ET 37*)

GR DES 71, Motion Graphics 1 (3) (*formerly same as ET 58*)

GR DES 71B, Motion Graphics 2 (3) (*formerly same as ET 59*)

2D ANIMATION, DEPARTMENT CERTIFICATE

This program provides a comprehensive understanding of the 2D animation process used in the entertainment industry. Students learn to create professional quality character animations for a variety of entertainment projects using art styles that may range from realistic to stylized.

Program Learning Outcomes: Upon completion of the program, students will demonstrate a comprehensive understanding of the 2D animation process used in the entertainment industry by developing an effective animation portfolio for entry-level employment.

Required Courses:

ET 19, Beginning 2D Animation (3)
 ET 19B, Advanced 2D Animation (3)
 ET 30, Animation Project (4)
 ET 34, Web Animation I (3)
 ET 75, Digital Production for 2D Animation (3)

3D ANIMATION, DEPARTMENT CERTIFICATE

This program provides an understanding of the 3D animation process used in the entertainment industry. Students learn to animate 3D characters and props for a variety of entertainment projects that range from realistic to stylized.

Program Learning Outcomes: Upon completion of the program, students will demonstrate a comprehensive understanding of the 3D animation process used in the entertainment industry by developing an effective animation portfolio for entry-level employment.

Required Courses:

ET 19, Beginning 2D Animation (3)
 ET 24B, 3D Character Animation (3)
 ET 24C, Advanced 3D Character Animation (3)
 ET 24D, Digital Previsualization (3)
 ET 30, Animation Project (4)

3D MODELING, DEPARTMENT CERTIFICATE

This program provides an understanding of the 3D modeling processes used in the entertainment industry. Students learn to create 3D character, prop, and environment models for a variety of entertainment projects that range from realistic to stylized.

Program Learning Outcomes: Upon completion of the program, students will demonstrate a comprehensive understanding of the 3D modeling processes used in the

entertainment industry by developing an effective design portfolio for entry-level employment.

Required Courses:

- ET 25, 3D Modeling and Rigging (3)
- ET 25B, 3D Character Creation (3)
- ET 25C, 3D Character Rigging (3)
- ET 26, 3D Rendering (3)
- ET 30, Animation Project (4)

3D RENDERING, DEPARTMENT CERTIFICATE

Required Courses:

- ET 25, 3D Modeling and Rigging (3)
- ET 26, 3D Rendering (3)
- ET 30, Animation Project (4)
- ET 32, Digital Compositing (3)
- ET 38, Digital Imaging II (3)

DIGITAL EFFECTS, DEPARTMENT CERTIFICATE

This program provides a comprehensive understanding of the visual effects process used in the entertainment industry. Students learn to create professional quality effects for a variety of entertainment projects.

Program Learning Outcomes: Upon completion of the program, students will demonstrate a comprehensive understanding of the visual effects process used in the entertainment industry by developing an effective portfolio for entry-level employment.

Required Courses:

- ET 30, Animation Project (4)
- ET 32, Digital Compositing (3)
- ET 33, Advanced Digital Compositing (3)
- ET 63, Digital Tracking and Integration (3)
- ET 64, Digital Effects I (3)

GAME DEVELOPMENT (FORMERLY GAME DESIGN), DEPARTMENT CERTIFICATE

This program provides an understanding of the game development process used in the entertainment industry. Students learn to effectively analyze gameplay elements and to develop original 2D and 3D game prototypes.

Program Learning Outcomes: Upon completion of the program, students will demonstrate a comprehensive understanding of the game development process used in the entertainment industry by developing original 2D and 3D game prototypes.

Required Courses:

- ET 13, 2D Game Prototyping (3)
- ET 15, Beginning 3D Level Design (3)
- ET 30, Animation Project (4)
- ET 42, Principles of Game Development (3)
- ET 44, Game Design/Play Mechanics (3)

VISUAL DEVELOPMENT, DEPARTMENT CERTIFICATE

This program provides a comprehensive understanding of the visual development process used in the entertainment industry. Emphasis is placed on form, composition, color, value and lighting. Students learn to design professional quality characters and worlds for a variety of entertainment projects using art styles that range from realistic to stylized.

Program Learning Outcomes: Upon completion of the program, students will demonstrate a comprehensive understanding of the visual development process used in the entertainment industry by developing an effective design portfolio for entry-level employment.

Required Courses:

- ET 21A, Character Design (3)
- ET 21B, Environment Design (3)
- ET 21C, Prop and Vehicle Design (3)
- ET 30, Animation Project (4)
- ET 38, Digital Imaging for Design 2 (3)

Suggested Animation Course Sequence

Semester 1

- ET 2, Storytelling (3)
- ET 18, Digital Storyboarding (3)
- ET 24, 3D Fundamentals (4)
- ET 91, Perspective Drawing (2)
- ET 94, Color Theory (2)

Intersession 1

- ET 61, History of Animation (3) (*same as GR DES 74*)

Semester 2

- ET 31A, Digital Video Fundamentals (3)
- GR DES 64, Digital Imaging for Design I (3)

And one of the following concentrations:

GROUP A CONCENTRATION:

- ET 19A, Beginning 2D Animation (3)
- ET 34, Web Animation 1 (3)

or

GROUP B CONCENTRATION:

- ET 19A, Beginning 2D Animation (3)
- ET 24B, 3D Character Animation 1 (3)

or

GROUP C CONCENTRATION:

- ET 25, 3D Modeling (3)

or

GROUP D CONCENTRATION:

- ET 25, 3D Modeling (3)
- ET 32, Digital Compositing (3)

or

GROUP E CONCENTRATION:

- ET 32, Digital Compositing (3)
- ET 64, Digital Effects 1 (3)

or

GROUP F CONCENTRATION:

- ET 15, Beginning 3D Level Design (3)
- ET 42, Principles of Game Development (3)

Intersession 2

- ET 3, Project Management (3)

Semester 3

- ET 20, Visual Development (3)
- ET 40, Digital Audio Fundamentals (3)

And one of the following concentrations:

GROUP A CONCENTRATION:

- ET 19B, Advanced 2D Animation (3)
- ET 75, Digital Production for 2D Animation (3)

or

GROUP B CONCENTRATION:

- ET 19B, Advanced 2D Animation (3)
- ET 24C, 3D Character Animation (3)

or

GROUP C CONCENTRATION:

ET 25B, 3D Character Creation (3)

ET 25C, 3D Character Rigging (3)

or

GROUP D CONCENTRATION:

ET 26, 3D Rendering (3)

ET 38, Digital Imaging for Design 2 (3)

or

GROUP E CONCENTRATION:

ET 63, Digital Tracking and Integration (3)

ET 65, Digital Effects 2 (3)

or

GROUP F CONCENTRATION:

ET 17, Advanced 3D Level Design (3)

ET 44, Game Design/Play Mechanics (3)

Intercession 3

ET 72, Career Development (2)

Semester 4

GROUP A-D CONCENTRATION:

ET 30, Animation Project (4)

or

GROUP E CONCENTRATION:

ET 80, Digital Effects Project (3)

or

GROUP F CONCENTRATION:

ET 49, Game Development Project (4)

Environmental Science

Environmental Science is an interdisciplinary and multi-disciplinary course of study that presents an overview of ecological issues from a scientific perspective. With a broad foundation across the natural sciences, the coursework examines the interrelated nature of environmental and social systems. This program is designed to equip students with the skills and tools to successfully use the scientific method while studying and solving environmental problems.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Environmental Science Associate Degree
- Environmental Science Certificate of Achievement (39 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

Transfer and program requirements are subject to change. For the most up-to-date information regarding transfer preparation visit assist.org and regarding degree and certificate requirements visit smc.edu/articulation.

ENVIRONMENTAL SCIENCE, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will demonstrate through oral and written work knowledge of the physical, biological, and social sciences required to effectively address current environmental issues, and be prepared to pursue further study in an Environmental Science program (or related field of study) at the baccalaureate level. In addition students will be proficient in the research, analytical, and communication skills necessary to present a critical analysis of the interplay between natural and social systems, the attitudes and behaviors that impact and affect the environment, and proposed solutions to the myriad environmental challenges facing the world today.

Introductory Courses: select 1 of the following courses: (3 units)

BIOL 9, Environmental Biology (3)

or

ENVRN 7, Introduction to Environmental Studies (3)

(same as GEOG 7)

Required Life Science Courses: (9 units)

BIOL 22, Genetics and Molecular Biology (4)

BIOL 23, Organismal and Environmental Biology (5)

Required Chemistry Courses: (10 units)

CHEM 11, General Chemistry I (5)

CHEM 12, General Chemistry II (5)

Geology and/or Physics Courses: select 1 of the following courses: (4 units minimum)

GEOL 4, Physical Geology with Laboratory (4)

PHYSICS 6, General Physics I with Lab (4)

PHYSICS 7, General Physics 2 with Lab (4)

PHYSICS 8, Calculus-based General Physics I with Lab (4)

PHYSICS 9, Calculus-based General Physics 2 with Lab (4)

PHYSICS 21, Mechanics with Lab (5)

PHYSICS 22, Electricity and Magnetism with Lab (5)

Required Mathematics Courses: (10 units)

MATH 7, Calculus 1 (5)

MATH 8, Calculus 2 (5)

Economics Courses: select 1 of the following courses: (3 units)

ECON 1, Principles of Microeconomics (3)

ECON 2, Principles of Macroeconomics (3)

Environmental Studies

Environmental Studies is an interdisciplinary and multidisciplinary course of study that presents a broad overview of ecological issues from a variety of perspectives. The coursework examines the interplay between natural and social systems, and the ideological foundations of humankind's attitudes and behaviors with respect to their ever-changing environments. This program is designed to prepare students to research, analyze, and propose solutions to the myriad environmental challenges facing the world today.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Environmental Studies Associate Degree
- Environmental Studies Certificate of Achievement (24 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at *assist.org*.

A listing of private, nonprofit California colleges and universities can be found online at *aiccu.edu*. For articulation agreements between SMC and some of these institutions see *smc.edu/articulation*.

ENVIRONMENTAL STUDIES, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will demonstrate through oral and written work a familiarity with both governmental and non-governmental efforts focused on environmental issues and be prepared to pursue further study in an Environmental Studies program (or related field of study) at the baccalaureate level. In addition, students will be proficient in the research, analytical, and communication skills necessary to present a critical analysis of the interplay between natural and social systems, the attitudes and behaviors that impact and affect the environment, and proposed solutions to the myriad environmental challenges facing the world today.

Required Core Courses: (6 units)

- BIOL 9, Environmental Biology (3)
- ENVRN 7, Introduction to Environmental Studies (3)
(same as GEOG 7)

Select 1 course from the following: (3 units)

- ENVRN 14, US Environmental History (3) (same as HIST 14)
- ENVRN 20, Environmental Ethics (3) (same as PHILOS 20)
- ENVRN 22, Environmental Politics and Policies (3)
(same as POL SC 22)
- ENVRN 32, Global Environmental History (3) (same as HIST 32)
- ENVRN 40, Environmental Psychology (3) (same as PSYCH 40)

Field Studies/Applied: Select at least 3 units from the following:

- BOTANY 3, Field Botany (4)
- ENVRN 88A, Independent Studies in Environmental Studies (1)
- ENVRN 88B, Independent Studies in Environmental Studies (2)
- ENVRN 88C, Independent Studies in Environmental Studies (3)
- GEOG 20, Introduction to Geographic Information Systems (3) (same as GIS 20)
- GEOG 35F, Field Study: California (1)

GEOG 35s, Geography Field Studies (1)

Ecology/Physical Science/Natural Science; Select at least 3 units from the following:

- BIOL 3, Fundamentals of Biology (4)
- BIOL 15, Marine Biology with Laboratory (4)
- BIOL 15N, Marine Biology (No-Laboratory) (3)
- BIOL 21, Cell Biology and Evolution (4)
- BOTANY 1, General Botany (4)
- CHEM 9, Everyday Chemistry (5)
- CHEM 10, Introductory General Chemistry (5)
- CHEM 19, Fundamentals of General, Organic, and Biological Chemistry (5)
- PHYSICS 6, General Physics I with Lab (4)
- PHYSICS 8, Calculus-based General Physics I with Lab (4)
- PHYSICS 14, Introductory Physics with Laboratory (4)
- ZOOL 5, Introductory Zoology (4)

Earth Science: Select at least 3 units from the following:

- GEOG 1, Introduction to Natural Environmental (3)
- GEOG 3, Weather and Climate (3)
- GEOG 5, Historical Geology with Lab (4)
- GEOLOG 1, Physical Geology without Laboratory (3)
- GEOLOG 3, Introduction to Environmental Geology (3)
- GEOLOG 4, Physical Geology with Laboratory (4)
- GEOLOG 31, Introduction to Physical Oceanography (3)
- Social Science: (6 units required, as specified)

GROUP A: Select 1 course from the following:

- ECON 1, Principles of Microeconomics (3)
- ECON 2, Principles of Macroeconomics (3)
- POL SC 1, National and California Government (3)

GROUP B: Select 1 course from the following not used to satisfy other requirements of the program: (3 units)

- ANTHRO 2, Cultural Anthropology (3)
- ENVRN 14, US Environmental History (3) (same as HIST 14)
- ENVRN 20, Environmental Ethics (3) (same as PHILOS 20)
- ENVRN 22, Environmental Politics and Policies (3)
(same as POL SC 22)
- ENVRN 32, Global Environmental History (3) (same as HIST 32)
- ENVRN 40, Environmental Psychology (3) (same as PSYCH 40)
- GEOG 2, Introduction to Human Geography (3)
- GEOG 8, Introduction to Urban Studies (3) (same as URBAN 8)
- GEOG 11, World Geography (3) (same as GLOBAL 11)
- GEOG 14, Geography of California (3)
- PSYCH 1, General Psychology (3)
- SOCIOL 1, Introduction to Sociology (3)
- SOCIOL 1s, Introduction to Sociology – Service Learning (3)
- SOCIOL 2, Social Problems (3)
- SOCIOL 2s, Social Problems – Service Learning (3)

Ethnic Studies

Programs in Ethnic Studies are designed to help students study different cultures and societies of the world. These programs include the study of the history, politics, religion, languages, and culture of different areas. The aim of Ethnic Studies programs is to broaden the awareness

and understanding of one or more ethnic groups and their contribution to American culture. Ethnic Studies programs are usually interdisciplinary: The historical, cultural, social, political, economic, psychological, and literary patterns and contributions of ethnic groups are studied.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Ethnic Studies Associate Degree
- Ethnic Studies Certificate of Achievement (21 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

ETHNIC STUDIES, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will demonstrate through oral and written work a familiarity with the social experiences and the contributions of various racial and ethnic groups to US society, and be prepared to pursue further study in an Ethnic Studies program (or related field of study) at the baccalaureate level. In addition, students will be proficient in the research, analytical, and communication skills necessary to present critical analysis regarding racial and ethnic group relations in the US.

Required Core Courses: Select 9 units from the following:

- ENGL 10, Ethnic Literature of the US (3)
- HIST 10, Ethnicity and American Culture (3)
- POL SC 21, Race, Ethnicity, and the Politics of Difference (3)
- SOCIOL 34, Racial and Ethnic Relations in American Society (3)

Please note: For the Ethnic Studies area of emphasis, it is HIGHLY RECOMMENDED (though not required) that students complete two years of one foreign language in high school or at least the first semester at Santa Monica College of a foreign language selected from the following courses: ARABIC 1, CHINESE 1; HEBREW 1; JAPAN 1; KOREAN 1; PERSIN 1; PORTGS 1; SPAN 1 or 11.

Arts: Select 1 of the following courses: (3 units)

- AHIS 72, American Art History (3)
- DANCE 2, Dance in American Culture (3)
- MUSIC 33, Jazz in American Culture (3)
- MUSIC 37, Music in American Culture (3)

Inter-Ethnic Studies: Select 1 of the following courses: (3 units)

- ANTHRO 2, Cultural Anthropology (3)
- COM ST 14, Oral Interpretation: Performing Literature Across Cultures (3)
- COM ST 37, Intercultural Communication (3)
- FILM 7, American Cinema: Crossing Cultures (3)
- GEOG 2, Introduction to Human Geography (3)
- GEOG 14, Geography of California (3)
- MEDIA 10, Media, Gender, and Race (3)
- NUTR 7, Food and Culture in America (3)
-
- SOCIOL 1, Introduction to Sociology (3)
- or*
- SOCIOL 1S, Introduction to Sociology–Service Learning (3)

Intra-Ethnic Studies: Select 3 units from 2 different areas: (6 units)

Art:

- AHIS 71, African American Art History (3)

English:

- ENGL 34, African-American Literature (3)
- ENGL 41, Asian American Literature (3)
- ENGL 53, Latino Literature in the United States (3)
- ENGL 54, Native American Literature (3)

History:

- HIST 16, African American History (3)
- HIST 41, Native American History (3)
- HIST 42, The Latina(o) Experience in the United States (3)
- HIST 43, Mexican-American History (3)
- HIST 62, Asian American History (3)

Sociology:

- SOCIOL 30, African Americans in Contemporary Society (3)
- SOCIOL 31, Latinas/os in Contemporary Society (3)
- SOCIOL 32, Asian Americans in Contemporary Society (3)

Fashion Design and Merchandising

Fashion design students develop skills in design communication, including preliminary sketching, technical flat sketching, illustration, and usage of Adobe Photoshop, Illustrator and CAD software. Skills in draping, pattern drafting from draping and body measurements, and basic sewing skills to advanced construction are developed in order to create sample garments for production and sales.

Fashion merchandisers select, purchase, promote, and sell clothing and accessories. They study fashion trends and visit manufacturers and merchandise markets. They work as part of a team and consult with managers and buyers, advise the advertising and display departments, and organize and coordinate promotional activities such as fashion shows. They may advance to become buyers and purchasing agents, sales representatives, and managers. Clothes designers create new apparel and accessory designs. They may sketch the garment, cut the pattern, select the fabric and materials, and in some cases construct the sample garment. They may arrange for the showing of a line at sales meetings or fashion shows.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Fashion Design Associate Degree
- Fashion Merchandising Associate Degree
- Fashion Design Certificate of Achievement (40 units)
- Fashion Merchandising Certificate of Achievement (40 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

FASHION DESIGN, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

See recommended course sequence below.

Program Learning Outcomes: Upon completion of the program, students will demonstrate the ability to channel their creativity into marketable fashion and lifestyle product lines, understanding the various design challenges, fit, textile fabrications, cost, sizing, design editing, and aesthetics for various target markets; understand production in wholesale and retail in order to meet consumer needs while creating forward trend directions. Program electives bridge communication with fashion merchandising concepts, ensuring creativity and marketability. Students develop an awareness of art, visual communication, global culture, computer technology, and business in the design process. Additionally, students will have skills pertinent to successfully enter third-year college fashion design programs, translate their internship experiences into positions at small to large-scale design firms, or create their own design line.

FIRST LEVEL COURSES:

- FASHN 1, Fashion Trends and Design (3)
- FASHN 2, Color Analysis (3)
- FASHN 3, Apparel Construction (3)

SECOND LEVEL COURSES:

- FASHN 5, Fashion Buying (3)
- FASHN 6A, Pattern Analysis and Design (2)
- FASHN 7, Fabrics for Fashion Design and Merchandising (3)
- FASHN 8, History of Fashion Design (3)

THIRD LEVEL COURSES:

- FASHN 9A, Fashion Illustration and Advertising (3)
- FASHN 10, Advanced Design and Construction (3)
- FASHN 13, Draping I (3)

FOURTH LEVEL COURSES:

- FASHN 12, Fashion Show Production (3)
- FASHN 18, Computer Assisted Fashion Illustrator and Design (2)

ELECTIVE COURSES: Select a minimum of 6 units from the list of courses below:

- ACCTG 1, Introduction to Financial Accounting (5)
- ART 10A, Design I (3)
- ART 20B, Drawing II (3)
- BUS 21, Merchandising Principles (3)
- BUS 63, Principles of Entrepreneurship (3)
- FASHN 6B, Pattern Drafting and Design Intermediate (3)
- FASHN 9B, Advanced Fashion Illustration (2)
- FASHN 11, Advanced Clothing – Tailoring (2)
- FASHN 14, Draping II (3)
- FASHN 15, Ethnic Fashion (3)
- FASHN 16, Pattern Grading (2)
- FASHN 17, Apparel Production Manufacturing Techniques (3)
- FASHN 19, Fashion Marketing (3)
- FASHN 20, Window Display for Fashion (3)
- FASHN 21, Digital Fashion Portfolio (2)
- FASHN 88A, Independent Studies in Fashion (1)
- FASHN 88B, Independent Studies in Fashion (2)
- FASHN 88C, Independent Studies in Fashion (3)
- FASHN 90A, Internship (1)
- FASHN 90B, Internship (2)
- FASHN 90C, Internship (3)

SUGGESTED COURSE SEQUENCE:

First Year Fall:

- FASHN 1, Fashion Trends and Design (3)
- FASHN 2, Color Analysis (3)
- FASHN 3, Apparel Construction (3)
- Non-fashion elective (3)

First Year Spring:

- FASHN 5, Fashion Buying (3)
- FASHN 6A, Pattern Analysis and Design (2)
- FASHN 7, Fabrics for Fashion Design and Merchandising (3)
- FASHN 8, History of Fashion Design (3)

Second Year Fall:

- FASHN 9A, Fashion Illustration and Advertising (3)
- FASHN 10, Advanced Design and Construction (3)
- FASHN 13, Draping I (3)

Second Year Spring:

- FASHN 12, Fashion Show Production (3)
- FASHN 18, Computer Assisted Fashion Illustrator and Design (2)
- Fashion elective (3)

FASHION MERCHANDISING, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

See recommended course sequence below.

Program Learning Outcomes: Upon completion of the program, students will demonstrate the ability to analyze and assess the marketable trends in fashion and lifestyle product lines for all target markets; understand the logistics from fashion production to wholesale, retail, and resale; develop pre- and post-promotional activities necessary to launch brands/private labels in order to maintain success in the local and global marketplace; utilize critical think-

ing in solving design, sales, or promotional issues; have the ability to utilize software applicable to promotional needs, and understand the working relationship between designers and marketers. Additionally, students will have skills pertinent to successfully entering third-year college fashion programs, advancing in management positions, or entering major retail executive buying/ management training programs.

FIRST LEVEL COURSES:

- FASHN 1, Fashion Trends and Design (3)
- FASHN 2, Color Analysis (3)

SECOND LEVEL COURSES:

- FASHN 3, Apparel Construction (3)
- FASHN 5, Fashion Buying (3)
- FASHN 7, Fabrics for Fashion Design and Merchandising (3)
- FASHN 8, History of Fashion Design (3)

THIRD LEVEL COURSES:

- BUS 21, Merchandising Principles (3)
- FASHN 18, Computer Assisted Fashion Illustrator and Design (2)
- FASHN 20, Window Display for Fashion (3)

FOURTH LEVEL COURSES:

- BUS 23, Principles of Selling (3)
- FASHN 12, Fashion Show Production (3)

ELECTIVE COURSES: Select a minimum of 8 units from the list of courses below:

- ACCTG 1, Introduction to Financial Accounting (3)
- ART 10A, Design I (3)
- ART 20B, Drawing II (3)
- BUS 25, Advertising Display (3)
- BUS 63, Principles of Entrepreneurship (3)
- FASHN 6A, Pattern Analysis and Design (2)
- FASHN 6B, Pattern Drafting and Design Intermediate (3)
- FASHN 9A, Fashion Illustration and Merchandising Advertising (3)
- FASHN 9B, Advanced Fashion Illustration (2)
- FASHN 10, Advanced Design and Construction (3)
- FASHN 11, Advanced Clothing – Tailoring (2)
- FASHN 13, Draping I (3)
- FASHN 14, Draping II (3) (*prerequisite: FASHN 13*)
- FASHN 15, Ethnic Fashion (3)
- FASHN 16, Pattern Grading (2)
- FASHN 17, Apparel Production Manufacturing Techniques (3)
- FASHN 19, Fashion Marketing (3)
- FASHN 21, Digital Fashion Portfolio (2)
- FASHN 88A, Independent Studies in Fashion (1)
- FASHN 88B, Independent Studies in Fashion (2)
- FASHN 88C, Independent Studies in Fashion (3)
- FASHN 90A, Internship (1)
- FASHN 90B, Internship (2)
- FASHN 90C, Internship (3)

SUGGESTED COURSE SEQUENCE:

First Year Fall:

- FASHN 1, Fashion Trends and Design (3)
- FASHN 2, Color Analysis (3)
- Non-fashion elective (3)

First Year Spring:

- FASHN 3, Apparel Construction (3)

- FASHN 5, Fashion Buying (3)
- FASHN 7, Fabrics for Fashion Design and Merchandising (3)
- FASHN 8, History of Fashion Design (3)

Second Year Fall:

- BUS 21, Merchandising Principles (3)
- FASHN 18, Computer Assisted Fashion Illustrator and Design (2)
- Fashion elective (3)
- FASHN 20

Second Year Spring:

- BUS 23, Principles of Selling (3)
- FASHN 12, Fashion Show Production (3)
- Fashion elective (3)

Film Production

The program in Film Production prepares students through hands-on instruction for work in filmmaking/digital video production, which encompasses creative and logistical production, directing, editing, cinematography, and audio, as well as techniques for making specific types of films and/or videos, and the planning and management of film/video operations. All of the production classes infuse theory into and through the course products.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Film Production Associate Degree
- Film Production Certificate of Achievement (30-33 units)

FILM PRODUCTION, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will produce film projects of high quality, congruent with films accepted into high-profile film festivals. Students will become proficient in the use of the latest technology, including High Definition (HD) and 4K formats. Students will gain significant exposure to the industry and film professionals and develop a network to support their career in film production.

Foundation Courses: (12 units)

- FILM 1, Film Appreciation Introduction to Cinema (3)
- or**
- FILM 2, History of Motion Pictures (3)
-
- FILM 20, Beginning Scriptwriting (3)
- FILM 30, Production Planning for Film and Video (3)
- FILM 31, Introduction to Digital Filmmaking (3)

Directing Courses: (6 units)

OPTION 1: Students who completed courses listed below prior to Fall 2014: (6 units)

- FILM 32, Advanced Digital Filmmaking (3)
- FILM 33, Directing the Short Film (3)

or

OPTION 2: Students who completed courses listed below Fall 2014 or later: (9 units)

- FILM 32, Intermediate Digital Filmmaking (3)

FILM 32L, Intermediate Digital Filmmaking Lab (1)
 FILM 33, Making The Short Film (3)
 FILM 33L, Making the Short Film Lab (2)

Specialized Courses: (6 units)

ET 31A, Digital Video Fundamentals (3)
 FILM 40, Cinematography (3)
 FILM 50, Production Sound (3)

Elective Courses: (minimum 6 units)

AHIS 11, Art Appreciation Introduction to Global Visual Culture (3)
 ET 31B, Digital Video Editing (3)
 ET 40, Digital Audio Fundamentals (3)
 ET 60, Post Production Project (3)
 FILM 7, American Cinema Crossing Cultures (3)
 FILM 21, Advanced Scriptwriting (3)

Film Studies

The objectives of this program are to prepare students for upper-division study at a four-year college and/or to earn an Associate degree.

Programs Offered:

- Transfer Preparation
- Film Studies Associate Degree

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The University of California system has a transfer pathway for any UC campus that offers Film and Media Studies. For more information, visit pathwaysguide.universityof-california.edu

FILM STUDIES, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will be able to demonstrate critical thinking and aesthetic judgment skills, both verbally and in writing, in the analysis of film as an art form and entertainment medium, utilizing and applying the specialized vocabulary of film studies as it has developed in the academic context and in the film industry. Students will also be able to identify and discuss the major historical developments, both artistic and technological, that have influenced the cinema throughout the 20th century, as well as the social, economic, and cultural factors that have shaped films from different gender and ethnic perspectives, and from domestic and international contexts.

Required Courses: (9 units)

FILM 1, Film Appreciation: Introduction to Film (3)
 FILM 2, History of the Motion Pictures (3)
 FILM 5, Film and Society (3)

Select additional courses to total 21 units from the following:

ET 61, History of Animation (3) (*same as GR DES 74*)
 FILM 6, Women in Film (3)
 FILM 7, American Cinema: Crossing Cultures (3)
 FILM 8, The Popular Film Genres (3)
 FILM 9, The Great Film-Makers (3)
 FILM 10, Film Criticism and Interpretation (3)
 FILM 11, Literature to Film (3) (*same as ENGL 11*)
 FILM 20, Introduction to Scriptwriting (3)
 FILM 21, Advanced Scriptwriting (3)
 FILM 30, Production Planning for Film and Video (3)
 FILM 31, Introduction to Digital Film Making (3)
 FILM 32, Intermediate Digital Filmmaking (3)
 FILM 32L, Intermediate Digital Filmmaking Lab (1)
 FILM 33, Making The Short Film (3)
 FILM 33L, Making the Short Film Lab (2)
 FILM 40, Cinematography (3)

French

See Modern Languages

General Education

Students planning to transfer to a four-year college or university should complete the general education pattern for the specific transfer institution.

Programs Offered:

- Transfer Preparation
- CSU GE Certificate of Achievement (minimum of 39 units)
- IGETC Certificate of Achievement (minimum of 37 units)

TRANSFER PREPARATION

See "Transfer" section of the catalog

CSU GE, CERTIFICATE OF ACHIEVEMENT

See page 45 for CSU GE Requirements

To earn a CSU GE Certificate of Achievement, at least 50% of the units must be completed at any, or any combination of, California Community College(s). A minimum grade of C (2.0 on a 4.0 scale) is required for all other areas of the CSU GE pattern. The minimum overall GPA on the CSU GE pattern must be a C (2.0 on a 4.0 scale), and complete certification is required to receive a CSU GE Certificate of Achievement.

Students must meet all certification eligibility requirements to qualify for the Certificate of Achievement.

IGETC, CERTIFICATE OF ACHIEVEMENT

See page 41 for IGETC Requirements

To earn the IGETC Certificate of Achievement, at least 50% of the units must be completed at any, or any combination of, California Community College(s). A minimum grade of C (2.0 on a 4.0 scale) is required for each course applied to the IGETC Certificate of Achievement, and complete

certification is required to receive an IGETC Certificate of Achievement.

Students must meet all certification eligibility requirements to qualify for the Certificate of Achievement.

General Science

See *Science*

Geographic Information Systems (GIS)

See *Geography*

Geography

Geographers study the distribution of people in relation to land and other natural resources. They examine the distribution of land forms, study climate, soils, or vegetation, analyze resources such as water and minerals, or they may study political organizations, transportation systems, marketing systems, patterns of industrial development, housing, or public health. Additional careers include cartographer, demographer, geographic information specialist, hazardous waste planner, hydrologist, urban planner and environmental impact analyst.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Geography Associate Degree for Transfer

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

SMC offers the **Geography Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Geography AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/ad-search/search.shtml

- Chico: Geography – Human Geography and Planning, BA
- Chico: Geography – Physical and Environmental Geography, BA
- Dominguez Hills: Geography – Earth and Environment, BA
- East Bay: Geography – General, BA
- East Bay: Geography – General, BS
- Fresno: Geography, BA
- Fullerton: Geography – General, BA
- Humboldt: Geography – General, BA
- Long Beach: Geography – General, BA
- Los Angeles: Geography – Environmental Geography, BA
- Los Angeles: Geography – Geographic Information Systems, BA
- Los Angeles: Geography – Urban Analysis, BA
- Monterey Bay: Social and Behavioral Sciences – Geographic Information Systems, BA
- Northridge: Geography – General, BA
- Northridge: Geography – Geographic Information Science, BA
- Pomona: Geography – Environmental Geography, BS
- Pomona: Geography – Geographic Information Systems, BS
- Pomona: Geography, BS
- Sacramento: Geography – Geographic Information Systems and Analysis, BA
- Sacramento: Geography – Human Geography, BA
- Sacramento: Geography – Metropolitan Area Planning, BA
- Sacramento: Geography – Physical Geography, BA
- San Bernardino: Geography – General, BA
- San Bernardino: Geography – Global Studies Option, BA
- San Diego: Geography – Foundations of Geography, BA
- San Francisco: Geography – General, BA
- San Jose: Geography, BA
- San Jose: Humanities – Liberal Arts, BA
- San Luis Obispo: Anthropology-Geography – Individualized Course of Study, BS
- Sonoma: Geography – Biophysical Environment, BA
- Sonoma: Geography – Environment and Society, BA
- Sonoma: Geography – Geospatial Techniques, BA
- Sonoma: Geography – Globalization and Identity, BA
- Stanislaus: Geography – California Studies, BA
- Stanislaus: Geography – Cultural/Social Geography, BA
- Stanislaus: Geography – Geospatial Technology, BA
- Stanislaus: Geography – Global Studies and Development, BA
- Stanislaus: Geography – Physical Geography and Environmental Studies, BA

GEOGRAPHY, ASSOCIATE DEGREE FOR TRANSFER

The Associate in Arts in Geography for Transfer (AA-T) involves the understanding of the environment around us and interpretation of the patterns found across the Earth's

surface. The course of study allows flexibility in course selection while providing a solid background in human, physical, and regional aspects of the discipline. The degree includes GIS, focusing on the use of geocomputation and digital technology to assess spatial and environmental problems and provide solutions. Throughout the degree, students will acquire and develop knowledge and skills that will equip them to be informed, engaged, and productive global citizens, capable of leading humanity toward a more sustainable and adaptable future.

Program Learning Outcomes: Upon completion of the program, students will demonstrate cartographic literacy, including map interpretation and, using spatial analysis skills, analyze, recognize, and evaluate spatial distributions on all scales from local to global, to become better global citizens. Students will also demonstrate the ability to identify spatial patterns and relationships between systems and cycles that affect life and shape landscapes.

Required Core Courses: (6 units)

GEOG 1, Introduction to the Natural Environment (3)

or

GEOG 5, Historical Geology with Lab (4)

GEOG 2, Introduction to Human Geography (3)

Group A: Select 2 courses from the following: (6 units)

GEOG 3, Weather and Climate (3)

GEOG 11, World Geography: Introduction to Global Studies (3) (*same as GLOBAL 11*)

GEOG 14, Geography of California (3)

GEOG 20, Introduction to Geographic Information Systems (3) (*same as GIS 20*)

Group B: Select 2 courses from Group B or any course from Group A not already used above: (6 units)

ANTHRO 1, Physical Anthropology (3)

or

ANTHRO 5, Physical Anthropology with Lab (4)

ANTHRO 2, Cultural Anthropology (3)

ANTHRO 3, World Archaeology (3)

BIOL 3, Fundamentals of Biology (4)

BOTANY 1, General Botany (4)

or

BOTANY 3, Field Botany (4)

CHEM 11, General Chemistry I (5)

CS 20B, Data Structures with Java (3)

CS 55, Java Programming (3)

ENGL 2, Critical Analysis and Intermediate Composition (3)

or

HIST 47, The Practice of History (3)

GEOG 7, Introduction to Environmental Studies (3)
(*same as ENVRN 7*)

GEOG 8, Introduction to Urban Studies (3) (*same as URBAN 8*)

GEOG 10, Living in a Hazardous Environment (3)

GEOG 23, Intermediate Geographic Information Systems (3) (*same as GIS 23*)

GEOG 24, Geospatial Imagery: Maps for the 21st Century (3)

GEOL 1, Physical Geology without Lab (3)

or

GEOL 4, Physical Geology with Lab (4)

MATH 2, Precalculus (5)

MATH 7, Calculus 1 (5)

MATH 8, Calculus 2 (5)

MATH 54, Elementary Statistics (4)

PHYSCS 8, Calculus-based General Physics 1 with Lab (4)

Geology

Geologists study the origin, history, composition, and structure of the earth, both for scientific knowledge and for practical purposes such as locating oil, minerals, and other raw materials; and for compiling architectural safety reports, maps, and diagrams. They use knowledge of chemistry, physics, math, and biology, to analyze the data and specimens. Some possible career choices are found in the environmental consulting industry, pollution remediation, public policy and environmental law. Career titles include meteorologist, oceanographer, seismologist, soil scientist, structural geologist and teacher.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Cultural Resource Management Department Certificate (12 units)
- Geospatial Technology Studies Department Certificate (15 units)
- Related Program: Science: General Science
- Career Opportunities

DEPARTMENT CERTIFICATE REQUIREMENTS

A Department Certificate is granted upon successful completion of a program of study with a designated minimum number of units, including:

- Completion of the area of emphasis with a grade of C or higher in each course, or with a P if the course was taken on a Pass/No Pass basis, and the P is equal to a C or higher;
- Completion of at least 50% of area of emphasis units at Santa Monica College.

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation

agreements between SMC and some of these institutions see *smc.edu/articulation*.

CAREER OPPORTUNITIES

Over 80% of data used for decision-making in government, business, and industry has a spatial component (i.e. geospatial data). New areas of rapid growth are in criminal justice, homeland security, marketing, retail site location, resource allocation, banking, healthcare, planning, disease control, insurance, real estate, and disaster preparedness, management, and response. Most local, state, and federal government agencies use geospatial technologies and maintain a staff of GIS technicians, geospatial analysts, and GIS professionals. Geospatial technologies are also commonly used in the private sector by businesses, planners, architects, foresters, geologists, environmental scientists, archaeologists, real estate professionals, marketers, sociologists, and bankers. The expansion of jobs using geospatial technologies is anticipated to continue for many years to come.

CULTURAL RESOURCE MANAGEMENT, DEPARTMENT CERTIFICATE

This certificate provides specific knowledge and practical experience to students who may pursue careers in cultural resource management (CRM), archaeology, museum studies, or historic preservation. CRM integrates the fields of archaeology and historic preservation to address the myriad types of federal, state, and local legislation aimed at protecting cultural resources. CRM is the fastest growing sub-discipline within archaeology, and ensures that critical archaeological concerns are represented throughout project planning and construction.

Program Learning Outcomes: Upon completion of the program, students will identify the complex relationship between economic development and heritage preservation; demonstrate understanding of the ethical issues surrounding the conservation of archaeological sites; demonstrate an understanding of archaeological and anthropological principles as they pertain to cultural resource management; and demonstrate adequate excavation or laboratory techniques necessary for employment within the field of cultural resource management.

Required Core Courses: (9 units)

ANTHRO 4, Methods of Archaeology (3)

ANTHRO 10, Forensic Anthropology (3)

ERTHSC 90C, Earth Science Internship (3)

or

ANTHRO 35S, Archaeological Field Techniques (3)

Select one: (3 units minimum)

ANTHRO 3, World Archaeology (3)

ANTHRO 5, Physical Anthropology with Lab (4)

ANTHRO 9, Paleoanthropology (3)

ANTHRO 35S, Archaeological Field Techniques (3)

ART 10A, Design I (3)

ASTRON 6, Archaeoastronomy (3)

GIS 20, Introduction to Geographic Information Systems (3) (*same as GEOG 20*)

GIS 23, Intermediate Geographic Information Systems (3) (*same as GEOG 23*)

GIS 27, Applications in GIS (3)

GEOG 14, Geography of California (3)

GEOG 1, Physical Geology without Lab (3)

GEOG 4, Physical Geology with Laboratory (4)

HIST 20, History of California (3)

HIST 41, Native-American History (3)

PHOTO 1, Introduction to Photography (3)

PHOTO 30, Techniques of Lighting: Introduction (4)

PHOTO 39, Beginning Photoshop (3)

PHOTO 5, Digital Asset Management, Modification, & Output (3)

AHIS 1, Western Art History I (3)

AHIS 2, Western Art History II (3)

AHIS 3, Western Art History III (3)

AHIS 5, Latin American Art History 1 (3)

AHIS 6, Latin American Art History 2 (3)

AHIS 15, Mexican Art History (3)

AHIS 17, Arts of Asia – Prehistory To 1900 (3)

AHIS 18, Introduction to African Art History (3)

AHIS 71, African-American Art History (3)

AHIS 72, American Art History (3)

GEOSPATIAL TECHNOLOGY, DEPARTMENT CERTIFICATE

Geospatial technologies — including geographic information systems (GIS), remote sensing (RS), global positioning system (GPS), and digital cartography — are used to capture, store, manage, analyze, and visualize geospatial information related to locations on Earth's surface. These technologies are used to combine various types of geospatial information in a digital environment, and are widely used in our daily life, government agencies, and in almost every industry. Through this program, students will develop an understanding of the theoretical underpinnings of geospatial technologies, and gain the skills needed to construct high-quality applications.

PLEASE NOTE: Students must petition the Earth Science department to obtain a Department Certificate in Geospatial Technology.

Program Learning Outcomes: Upon completion of the program, students will apply cartographic principles of scale, resolution, projection, and data management to solve a geographic problem using geospatial technologies. Students will demonstrate proficiency in spatial data collection and manipulation, spatial data management, spatial analysis, and spatial modeling using geospatial technologies. Students will also execute an original GIS project under the supervision of a faculty or professional mentor, and demonstrate the ability to communicate project outcomes orally, in writing, and graphically.

Required Courses:

GEOG 20, Introduction to Geographic Information Systems (3) (*same as GIS 20*)

GEOG 23, Intermediate Geographic Information System (3) (*same as GIS 23*)

GEOG 25, Introduction to Cartography (3) (*same as GIS 25*)

GEOG 26, Introduction to Remote Sensing (3) (*same as GIS 26*)

GIS 27, Applications in GIS (3)

German

See *Modern Languages*

Global Studies

Global Studies is a multi- and interdisciplinary program designed to increase knowledge and understanding of the processes of globalization and their impacts on societies, cultures, and environments around the world. The Global Studies program provides the student with a knowledge of critical issues that affect their lives and community, as well as the affairs of other cultures, societies, and nations. An understanding of the world's social, political, economic, and natural systems and their increasing interdependence, along with an appreciation of the diversity of human culture, will supply the student with a strong background for working in a global economy, for living in a multicultural society, and for making intelligent decisions as global citizens.

The goal of the program is to prepare students for further work in international studies and work affairs through the study of other cultures, world history, political and economic systems, world geography and environment, cross-cultural communication and conflict resolution, and modern languages. The Global Studies program is designed to encourage students to become "global thinkers." They learn how to relate their knowledge of a particular part of the world to the larger trends and issues that affect all societies: the transnational interactions of peoples, cultures, economies, and politics; the globalizing processes of the communication media; technological and environmental changes; law and human rights; the sometimes violent political, ethnic and religious responses to what is perceived as cultural and economic homogenization on a global scale; and the search for a just, sustainable and peaceful world.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Global Studies Associate Degree
- Global Studies Certificate of Achievement (21 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

GLOBAL STUDIES, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcome: Upon completion of the program, students will possess an increased understanding of

the world's social, political, economic and natural systems and their increasing interdependence, as well as an appreciation of the diversity of human culture, which in turn will enable them to better work in the global economy, live in a multicultural society, and make intelligent decision as global citizens. Through the subject matter and activities presented in each course in the Global Studies program, students will be able to:

1. Analyze major global challenges from a multi- and interdisciplinary perspective;
2. Identify varying worldviews on the same issues, events, and occurrences;
3. Differentiate multiple perspectives on globalization and their effects on decision-making and behavior (and the individual, community, and national levels);
4. Explain how/why the environmental well-being of the world demands personal and collective responsibility at both the local and global levels;
5. Describe core civic/citizenship values which generate socially responsible behavior at both local and global levels;
6. Explain the interconnectedness of global decisions and events; and
7. Analyze the interdependence among people, groups, societies, governments, and nations in finding solutions to current global problems and conflicts.

Required Core Courses: (9 units)

- GLOBAL 5, International Political Economy: Introduction to Global Studies (3) (*same as ECON 5 and POL SC 5*)
 GLOBAL 10, Global Issues (3)
 GLOBAL 11, World Geography: Introduction to Global Studies (3) (*same as GEOG 11*)

Culture and Society: (3 units)

- ANTHRO 2, Cultural Anthropology (3)
 ANTHRO 3, World Archaeology (3)
 ANTHRO 7, Introduction to Linguistics Anthropology (3)
 ANTHRO 14, Sex, Gender and Culture (3)
 ANTHRO 19, The Culture of Food (3)
 ANTHRO 21, Peoples and Power in Latin America
 ASTRON 6, Archaeoastronomy (3)
 COM ST 37, Intercultural Communication (3)
 ENVRN 7, Introduction to Environmental Studies (3) (*same as GEOG 7*)
 ENVRN 20, Environmental Ethnics (3) (*same as PHILOS 20*)
 ENVRN 22, Environmental Politics and Policies (3) (*same as POL SC 22*)
 ENVRN 40, Environmental Psychology (3) (*same as PSYCH 40*)
 FASHN 15, Ethnic Fashion (3)
 GEOG 2, Introduction to Human Geography (3)
 GEOG 7, Introduction to Environmental Studies (3) (*same as ENVRN 7*)
 GEOG 8, Introduction to Urban Studies (3) (*same as URBAN 8*)
 GLOBAL 3, Global Media (3) (*same as MEDIA 3*)
 LING 1, Introduction to Linguistics (3)
 MEDIA 3, Global Media (3) (*same as GLOBAL 3*)
 PHILOS 20, Environmental Ethics (3) (*same as ENVRN 40*)
 POL SC 22, Environmental Politics and Policies (3) (*same as ENVRN 22*)

- PSYCH 40, Environmental Psychology (3) (*same as ENVRN 40*)
 SOCIOL 1, Introduction to Sociology (3)
 SOCIOL 1s, Introduction to Sociology – Service Learning (3)
 WGS 20, Gender, Feminisms, and Social Movements: A Global Approach (3)

Governance and Conflict: (3 units)

- PHILOS 48, Nonviolent Resistance (3) (*formerly same as HIST 48*)
 PHILOS 51, Political Philosophy (3) (*same as POL SC 51*)
 PHILOS 52, Modern Political Thought (3) (*same as POL SC 52*)
 POL SC 2, Comparative Government and Politics (3)
 POL SC 3, Introduction to Politics: Justice, Power, and Agency (3)
 POL SC 7, International Politics (3)
 POL SC 11, World Affairs and the United Nations (3)
 POL SC 47, International Politics Seminar (3)
 POL SC 51, Political Philosophy (3) (*same as PHILOS 51*)
 POL SC 52, Modern Political Thought (3) (*same as PHILOS 52*)

Markets and Economies: (3 units)

- BUS 50, Introduction to International Business (3)
 BUS 52, International Marketing (3)
 BUS 53, Importing and Exporting (3)
 BUS 54, International Management (3)
 BUS 55, Southern California's International Connections (3)
 ECON 1, Principles of Microeconomics (3)
 ECON 2, Principles of Macroeconomics (3)

World History/Area Studies: Select at least 3 units from the following:

- AHIS 3, Western Art History III (3)
 AHIS 5, Latin American Art History 1 (3)
 AHIS 6, Latin American Art History 2 (3)
 AHIS 11, Art Appreciation: Introduction to Global Visual Culture (3)
 AHIS 15, Mexican Art History (3)
 AHIS 17, Arts of Asia – Prehistory to 1900 (3)
 AHIS 18, Introduction to African Art History (3)
 AHIS 22, Architectural History and Theory – 1850 to Present (3)
 DANCE 5, Dance History (3)
 DANCE 20, World Dance Survey (2)
 DANCE 21, Asian Pacific Dance Survey (2)
 DANCE 23, Intermediate Mexican Dance (2)
 DANCE 24, Flamenco Dance (2)
 DANCE 25, African Dance (2)
 DANCE 27, Brazilian Dance (2)
 DANCE 29, Middle Eastern/North African Dance (2)
 ENGL 32, History and Literature of Contemporary Africa (3) (*formerly same as HIST 30*)
 ENGL 40, Asian Literature (3)
 ENGL 45, Asian Film, Literature, and Society (3)
 ENGL 49, Asian Mythology (3)
 ENGL 56, 20th Century European Literature (3)
 ENGL 58, Literature of Mexico (3)
 ENVRN 32, Global Environmental History (3) (*same as HIST 32*)
 HIST 2, History of Western Civilization II (3)

- HIST 4, History of British Civilization II (3)
 HIST 6, History of Latin America 2 (3)
 HIST 19, History of Mexico (3)
 HIST 21, History of Russia (3)
 HIST 22, History of the Middle East (3)
 HIST 25, History of East Asia Since 1600 (3)
 HIST 27, History of Southeast Asia (3)
 HIST 28, Modern Europe: 1914 to Present (3)
 HIST 29, Jewish History (3)
 HIST 34, World Civilizations II (3)
 HIST 39, African History II (3)
 HIST 41, Native American History (3)
 HIST 53, History of Religion (3)
 HUM 28s, Contemporary Life in China (2)
 JAPAN 9, Japan: Culture and Civilization (3)
 MUSIC 31, Music History II (3)
 PHILOS 4, Modern Philosophers (3)
 PHILOS 22, Asian Philosophy (3)
 PHILOS 23, Philosophy of Religion (3)
 POL SC 14, Middle East Government and Politics (3)
 SPAN 20, Latin American Civilization (3)

Foreign Language Requirement (same as IGETC Area 6)

The Foreign Language requirement can be met in several different ways. For detailed information, see the IGETC information on page 40.

Graphic Design

Graphic designers produce ideas and experiences with visual and textural content. The form of the communication can be physical or screen-based, and many include images, words, or graphic forms. The work can be logotypes, stationery, brochures, advertising, packaging, motion graphics, websites, and many other types of projects.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Graphic Design Associate Degree
- Graphic Design Certificate of Achievement (40 units)
- User Experience Design Department Certificate (17 units)
- Web Design Department Certificate (17 units)
- Related Program: Interaction Design Bachelor Degree

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

GRAPHIC DESIGN, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will be able to solve a variety of communication problems utilizing imagery and typography, and will possess basic graphic design skills, a working knowledge of current technology, and have the ability to work successfully as an entry-level graphic designer.

Required Courses: (28 units)

- GR DES 31, Graphic Design Studio 1 (2)
- GR DES 33, Typography Design 1 (2)
- GR DES 35, Sketching for Graphic Design (2)
- GR DES 41, Graphic Design Studio 2 (2)
- GR DES 43, Typography Design 2 (2)
- GR DES 50, Graphic Design Portfolio and Professional Practices (2)
- GR DES 60, Design Research (2)
- GR DES 61, User Experience Design (3)
- GR DES 64, Digital Imaging for Design I (3)
- GR DES 65, Web Design 1 (2)
- GR DES 66, Web Design 2 (3) (*formerly ET 16*)
- GR DES 71, Motion Graphics 1 (3)

Required Concentration: Select 1 of the following 2 areas of concentration:

Print and Illustration Concentration: (12 units)

- GR DES 34, Publication and Page Design I (3)
- GR DES 38, Digital Illustration I (4)
- GR DES 44, Publication and Design 2 (3)
- GR DES 51, Graphic Design Studio 3 (2)

User Experience Concentration: (12 units)

- GR DES 62, User Experience Design 2 (3)
- GR DES 67, Web Design 3 (3)
- GR DES 75, Mobile Design 1 (3)
- GR DES 76, Mobile Design 2 (3)

Additional Recommended Courses:

- CIS 50, Internet, HTML, and Web Design (3)
- CIS 51, HTML5, CSS3, and Accessibility (3)
- CIS 54, Web Development and Scripting I (3)
- CIS 67, WordPress (3)
- GR DES 34, Publication and Page Design I (3)
- GR DES 38, Digital Illustration I (4)
- GR DES 44, Publication and Design 2 (3)
- GR DES 51, Graphic Design Studio 3 (2)
- GR DES 54, Digital Illustration II (3)
- GR DES 62, User Experience Design 2 (3)
- GR DES 67, Web Design 3 (3)
- GR DES 71B, Motion Graphics 2 (3)
- GR DES 75, Mobile Design 1 (3)
- GR DES 76, Mobile Design 2 (3)
- GR DES 90A, Internship (1)
- GR DES 90B, Internship (2)
- GR DES 90C, Internship (3)
- PHOTO 1, Introduction to Photography (3)

USER EXPERIENCE DESIGN, DEPARTMENT CERTIFICATE

The User Experience Design Department Certificate provides a thorough study of user experience design and interaction design. Focusing on designing for the user, research, user experience design, interface design, prototyping, and user-testing, students will learn the methodologies and tools for UX and to design and prototype for multiple platforms. A Department Certificate in User

Experience Design will prepare the students for entry-level positions such as User Experience Designer, Interface Designer, Interactive Designer, Mobile App Designer and Web Designer.

Program Learning Outcomes: Upon completion of the program, students will demonstrate the ability to research, utilize best practices for user experience design, user-test, and apply these tests to the iterative prototyping process. Students will be able to analyze user needs and stakeholder requirements to research, design, prototype, and conduct effective user-testing. Additionally, students will have the skills to effectively communicate with a client and collaborate as a team member.

Required Courses:

- GR DES 61, User Experience Design (3)
- GR DES 62, User Experience Design 2 (3)
- GR DES 65, Web Design 1 (2)
- GR DES 66, Web Design 2 (3)
- GR DES 75, Mobile Design 1 (3)
-
- GR DES 67, Web Design 3 (3)
- or*
- GR DES 76, Mobile Design 2 (3)

WEB DESIGN, DEPARTMENT CERTIFICATE

The Web Design Department Certificate provides a thorough study of the design and production of websites at an advanced level. Focusing on design process, user experience, and visual design, students will learn how to design and develop commercial-quality websites.

A Department Certificate in Web Design will prepare the students for entry-level positions such as Web Designer, Web Developer, User Experience Designer, Interface Designer, and Interactive Designer.

Program Learning Outcomes: Upon completion of the program, students will demonstrate the ability to follow a design process that includes research, design, and the production of a commercial-quality website. Students will analyze user needs and client requirements to design and produce a website that communicates and works well on a range of screen sizes. Additionally, the students will have the skills to effectively communicate with a client and collaborate as a team member.

Required Courses:

- CIS 54, Web Development and Scripting I (3)
- GR DES 61, User Experience Design (3)
- GR DES 64, Digital Imaging for Design I (3)
- GR DES 65, Web Design 1 (2)
- GR DES 66, Web Design 2 (3) (*formerly ET 16*)
- GR DES 67, Web Design 3 (3)

Health Education

See Kinesiology/Physical Education

See Nursing

See Respiratory Therapy

Hebrew

See Modern Languages

History

Historians study, assess, and interpret the past to determine what happened and why. They examine court documents, diaries, letters, and newspaper accounts; they conduct research, write, teach, evaluate and make recommendations. Schools, universities, libraries, museums, government offices, and private enterprise are some of the job settings for history majors. Some related career titles include archivist, biographer, congressional aide, Foreign Service officer, FBI/CIA agent, lobbyist, and genealogist agent.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- History Associate Degree for Transfer
- Related Program: Liberal Arts – Social and Behavioral Sciences

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system has a transfer pathway** for any UC campus that offers History. For more information, visit pathwaysguide.universityofcalifornia.edu

SMC offers the **History Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the History AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/adts-search/search.shtml

- Bakersfield: History – General, BA
- Channel Islands: History – General, BA
- Chico: History – General History, BA
- Dominguez Hills: History, BA
- East Bay: History – Asian and Middle Eastern History, BA
- East Bay: History – European History, BA

- East Bay: History of California and the American West, BA
- East Bay: History – Latin American History, BA
- East Bay: History – United States History, BA
- Fresno: History, BA
- Fullerton: History – General, BA
- Humboldt: History, BA
- Humboldt: History Education, BA
- Long Beach: American Studies – American Studies – General, BA
- Long Beach: Asian American Studies – Asian American Studies – General, BA
- Long Beach: History – General, BA
- Long Beach: Modern Jewish Studies – Modern Jewish Studies – General, BA
- Los Angeles: History – General, BA
- Monterey Bay: Human Communication – History, Oral History, and New Media, BA
- Monterey Bay: Social and Behavioral Sciences – Social History, BA
- Northridge: History – General, BA
- Pomona: History – General History, BA
- Sacramento: History – General, BA
- San Bernardino: History – General, BA
- San Bernardino: History – Public and Oral History Option, BA
- San Diego: History (Imperial Valley Campus), BA
- San Diego: History (San Diego Campus), BA
- San Francisco: History – General, BA
- San Francisco: History – Honors Program, BA
- San Francisco: Modern Jewish Studies – Modern Jewish Studies – General, BA
- San Jose: History, BA
- San Jose: Humanities – Liberal Arts, BA
- San Jose: Social Sciences – Social Science, Preparation for Teaching (Single Subject), BA
- San Marcos: History – General, BA
- Sonoma: History – General, BA
- Stanislaus: Gender Studies – Culture, Ideology, and Representation, BA
- Stanislaus: Gender Studies – Ethnicity, Nationality, and Sexuality, BA
- Stanislaus: Gender Studies – History, Society, and Inequality, BA
- Stanislaus: History – General, BA

HISTORY, ASSOCIATE DEGREE FOR TRANSFER

The Associate in Arts in History for Transfer (AA-T) involves the critical examination of historical material, including primary sources, attending to such concepts as historical agency, context, perspective, and multi-causation. Through the course of study students gain an understanding of history as a discipline characterized by the application of critical analysis to factual evidence. The courses address the value of historical study for understanding change and continuity over time.

Upon completion of the Associate in Arts in History for Transfer (AA-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Completion of the degree indicates that the student will have satisfied the lower-division requirements for transfer into history or similar majors for many campuses in the California State University system.

Program Learning Outcomes: Upon completion of the program, students will demonstrate, through written and oral academic work, critical examination of historical material, including primary sources, attending to such concepts as historical agency, context, perspective, and multi-causation. Students will further demonstrate an understanding of history as a discipline characterized by the application of critical analysis to factual evidence.

Required Core US History Courses: (6 units)

- HIST 11, History of the United States Through Reconstruction (3)
- HIST 12, History of the United States Since Reconstruction (3)

World History Courses; Select 1 pair of courses from the following: (6 units)

- HIST 1, History of Western Civilization I (3)
- or*
- HIST 33, World Civilizations I (3)
-
- HIST 2, History of Western Civilization II (3)
- or*
- HIST 34, World Civilizations II (3)

AREA 1: Select 1 course from the following: (3 units)

AHIS 15, 17, 18, 71, 72; ANTHRO 20, 21; ARABIC 1; ASL 1, 2; CHINESE 1, 2, 3, 4, 9; COM ST 14, 37; DANCE 2; ECE 11, 18 (same as PSYCH 18); ECON 5 (same as GLOBAL 5 and POL SC 5); ENGL 9, 10, 32, 39, 40, 41, 45, 53, 54, 57, 58; ENVRN 32 (same as HIST 32); FILM 6, 7; FRENCH 1, 2, 3, 4; GEOG 11 (same as GLOBAL 11), 14; GERMAN 1, 2, 3, 4; GLOBAL 5 (same as ECON 5 and POL SC 5), 11 (same as GEOG 11); HEBREW 1, 2, 8; HIST 5, 6, 10, 16, 19, 21, 22, 24, 25, 26, (28) (satisfies area if completed Spring 2018 or before), 29, 30, 32, 33 (if not used above), 34 (if not used above), 37, 38, 39, 41, 42, 43, 53, 62; ITAL 1, 2, 3; JAPAN 1, 2, 3, 4; KOREAN 1, 2, 3, 4; MEDIA 10; MUSIC 35, 37; NUTR 7; PERSIN 1, 2; PHILOS 22 (same as REL ST 22), 23; POL SC 5 (same as ECON 5 and GLOBAL 5), 7, 8, 11, 14, 21; RUSS 1, 2; SOCIOL 30, 31, 32, 34; SPAN 1, 2, 3, 4, 9, 11, 12, 20; TURK 1; WGS 10, 20, 30

AREA 2: Select 1 course not already completed above: (3 units)

AHIS 1, 2, 3, 21, 22, 52 (same as PHOTO 52); ANTHRO 2, 3, 7, 19; ECON 1, 2, 5 (same as GLOBAL 5 and POL SC 5), 15 (same as HIST 15); ENVRN 7 (same as GEOG 7), 14 (same as HIST 14), 32 (same as HIST 32); GEOG 2, 7 (same as ENVRN 7), 8 (same as URBAN 8), 11 (same as GLOBAL 11); GLOBAL 5 (same as ECON 5 and POL SC 5), 10, 11 (same as GEOG 11); HIST 1 (if not used above), 2 (if not used above), 3, 4, 5, 6, 10, 13, 14 (same as ENVRN 14), 15 (same as ECON 15), 16, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 32 (same as ENVRN 32) (if not used above), 34 (if not used above), 38, 39, 41, 42, 43, 47, 48, 52, 53, 55, 62; MEDIA 1; 10; MUSIC 33, 36; NUTR 7; PHILOS 48 (formerly same as HIST 48); PHOTO 52 (same as AHIS 52); POL SC 1, 3 5 (same as ECON 5 and GLOBAL 5); PSYCH 1; SOCIOL 1, 1s, 2, 2s; URBAN 8 (same as GEOG 8); WGS 10

Interaction Design (IxD)

Interaction Design blends the fields of design and technology, with a focus on ensuring that products are appealing, effective, and intuitive for their users. Interaction designers work closely with programmers to create smart objects and systems that optimize the user experience. There is strong demand for more interaction designers in today's high technology industries.

Selected to participate in the pilot California Community College Baccalaureate degree program, Santa Monica College now offers courses that meet the requirements for its new Bachelor of Science (BS) degree in the field of Interaction Design. This degree will provide students with the skills necessary to enter this well-paying and exciting field. Students interested in the Bachelor of Science degree in Interaction Design should visit smcixd.org for more information and to sign up for email updates about the program.

Programs Offered:

- Interaction Design Bachelor Degree

INTERACTION DESIGN, BACHELOR OF SCIENCE DEGREE

The Interaction Design Bachelor of Science degree program blends the fields of design, user experience (UX), and technology. The proliferation of innovations such as e-commerce, mobile apps, smartphones, medical devices, wearable technology, connected appliances, and self-driving cars is creating strong demand for a new breed of designer who understands the user and employs a user-centered approach. The success of a new product or service in the competitive, fast-paced world of high technology hinges upon the quality of the user's first experience with the product. Interaction Designers ensure that products and services are appealing, effective and intuitive for their users by designing the behavior, organization, and aesthetics of the system to create successful end-to-end experiences. This is a four-year program with the lower-division Graphic Design courses providing students with the skills necessary to enter the upper-division courses in this exciting field.

PILOT PROGRAM STATUS: Santa Monica College is a participant in the California Community College Bachelor Degree Pilot Program. This program was created by the state legislature (Senate Bill 850) as a pilot program currently scheduled to expire in June of 2023. Students participating in the baccalaureate degree pilot program must complete their degrees by the end of the 2022–23 academic year.

Program Learning Outcomes: Upon completion of the program, students will demonstrate knowledge of Interaction Design/User Experience Design history, practices, methodologies, tools, and project-based processes in designing for the user. Graduates will utilize human-centered design principles, user-testing outcomes, and ethnographic research insights, and will employ critical thinking, sketching, and iterative processes to define, develop, conceptualize, and solve problems. They will design and prototype correct affordances, interaction paradigms, and patterns for a range of platforms including web, mobile, and tan-

gible systems. They will also collaborate effectively with customers and clients, and in team projects, brainstorming sessions, and in-class critiques. They will exhibit proficient visual, verbal, and written communication skills, particularly presentation skills necessary in the design industry.

Lower-Division Preparation for the IxD Major. (These courses, or equivalent, are required prior to enrollment in the IxD courses. SMC has several articulation agreements with other institutions for these courses. See smc.edu/StudentServices/TransferServices/AreasofStudy/Pages/Interaction-Design-Transfer-Agreements.aspx)

- GR DES 31, Graphic Design Studio 1 (2)
- GR DES 33, Typography Design 1 (2)
- GR DES 35, Sketching for Graphic Design (2)
- GR DES 41, Graphic Design Studio 2 (2)
- GR DES 43, Typography Design 2 (2)
- GR DES 50, Graphic Design Portfolio and Professional Practices (2)
- GR DES 60, Design Research (2)
- GR DES 61, User Experience Design 1 (3)
- GR DES 62, User Experience Design 2 (3)
- GR DES 64, Digital Imaging for Design I (3)
- GR DES 65, Web Design 1 (2)
- GR DES 66, Web Design 2 (3)
- GR DES 67, Web Design 3 (3)
- GR DES 71, Motion Graphics 1 (3)
- GR DES 75, Mobile Design 1 (3)
- GR DES 76, Mobile Design 2 (3)

Required Lower-Division Courses (25 units):

AHIS 3, Western Art History III (3)

or

AHIS (any AHIS course satisfies requirement; AHIS 3 highly recommended) (3)

BUS 20, Principles of Marketing (3)

or

BUS 63, Principles of Entrepreneurship (3)

COM ST 16, Fundamentals of Small Group Discussion (3) (if taken Fall 2016 or prior)

or

MEDIA 4, Introduction to Game Studies (3)

CIS 54, Web Development and Scripting (3)

ENGL 1, Reading and Composition 1 (3)

ENGL 2, Critical Analysis and Intermediate Composition (3)

MATH 54, Elementary Statistics (4)

PSYCH 1, General Psychology (3)

Upper-Division Major Requirements (28 units):

IxD 310, Interaction Design Studio 1 (3)

IxD 330, Interaction Design Studio 2 (3)

IxD 350, Interactive Storytelling (3)

IxD 360, Product Design (3)

IxD 370, Design for Community Change (3)

IxD 410, Project Management for Design (2)

IxD 430, Interaction Design Studio 3 (3)

IxD 450, Interaction Design Portfolio (2)

IxD 460, Tangible Interaction (3)

IxD 470, Interaction Design Senior Studio (3)

IxD Internship (select a minimum of 3 units from the courses below):

IxD 491, Interaction Design Internship (1)

IxD 492, Interaction Design Internship (2)

IxD 493, Interaction Design Internship (3)

Upper-Division General Education (9 units):

COM ST 310, Organizational and Small Group Communication (3)

ENGL 300, Advanced Writing and Critical Thinking in the Disciplines (3)

PSYCH 320, Cognitive Psychology (3)

Interior Architectural Design

Interior Architectural Design is a Santa Monica College award-winning program in the Design Technology Department. Students focus on (1) professional career development, (2) academic transfer, (3) an Associate degree, and/or (4) personal and professional skills useful in the local and international Architecture and Design Industry. The program applies artistic and functional principles and techniques to the professional planning, designing, and furnishing of residential and commercial interior spaces. The program also includes the processes and techniques of designing living, working, and leisure indoor environments as integral components of a building system. The program includes instruction in design, drafting, careers, color coordination, surface materials and textiles, sketching, computer aided design, historical and contemporary furniture and housing, interior lighting, business principles, interior codes, digital rendering, model building, green design, universal design, on-site internships with local trade businesses, and applications to office, hotel, restaurant, and housing design. There are also specialized courses for Set Design and Advanced CAD. Designer careers include homes, kitchens/baths, offices and other retail uses, space planning, remodeling, specifying, sketching, management, staging for real estate sales, consulting, lighting, retail sales, preservation, health care, green design, and accessible, universal design.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

See the Interior Architectural Design Program Website (smcdesigntech.org/interior-architectural) for additional information.

Counseling Information: Contact Cliff Dobbs at 310-434-3783.

Programs Offered:

- Transfer Preparation
- Interior Architectural Design Associate Degree
- Interior Architectural Design Certificate of Achievement (48 units)
- Digital Production and Design Department Certificate (15 units)
- Set Design and Art Direction for Film and TV Department Certificate (15 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division

major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at *assist.org*.

A listing of private, nonprofit California colleges and universities can be found online at *aiccu.edu*. For articulation agreements between SMC and some of these institutions see *smc.edu/articulation*.

INTERIOR ARCHITECTURAL DESIGN, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

This program provides a thorough and analytical foundation of the Interior Architectural Design field that will enable students to practice professionally and serve their community with safe, functional, and innovative interior spaces. Students will develop employment skills in hand sketching and visualization, digital production skills using software such as CAD and Revit, specification of surface materials, and furniture. Significant academic and professional career-focused electives are offered in green design, lighting design, interior codes, and production design for film and TV. A wide range of digital modeling and rendering courses are offered using software such as Photoshop, SketchUp, Rhino, and 3D Studio Max.

Program Learning Outcomes: Upon completion of the program, students will possess fundamental design skills as well as a working knowledge of current technology, and have the ability to work successfully as an entry-level interior designer.

Required Core Courses: (42 units)

- INTARC 28A, Visual Studies I (3) (formerly INTARC 32)
- INTARC 28B, Visual Studies II (3) (formerly INTARC 28)
- INTARC 30, Principles of Interior Architectural Design (3)
- INTARC 31, Interior Architecture Design Studio I (3)
- INTARC 33, Interior Architectural Design Career and Portfolio (3)
- INTARC 34, 2D Color Theory (3)
- INTARC 34B, 3D Applied Design Theory (3)
- INTARC 35, 2D Digital Drafting (3)
- INTARC 36, Interior Architectural Design Materials and Products (3)
- INTARC 38, 3D Digital Drafting I (3)
- INTARC 40, Interior Architectural Design Studio II (3)
- INTARC 41, History of Interior Architecture and Furnishings I (3)
- INTARC 42, History of Interior Architectural Furnishings II (3)
- INTARC 45, Interior Architectural Design Studio III (3)

Required Elective Courses: Select any 6 units from the list of courses below; no more than 4 units of internship (INTARC 90A-D may be used to satisfy the required elective):

- INTARC 37, Set Design and Art Direction for Film and TV (3)
- INTARC 39, Green Design for Interiors (3)
- INTARC 44, Fundamentals of Lighting (3)
- INTARC 50, Building Systems and Codes (3)
- INTARC 52, Production Design for Film and TV (3)
- INTARC 57, 3D Digital Drafting II (3)

- INTARC 62, 3D Visual Studies (3)
- INTARC 65, Digital Rendering for Interiors (3)
- INTARC 70, 3D Digital Rendering and Animation (3)
- INTARC 71, Contemporary Spatial Design Studios (3)
- INTARC 90A, Internship (1)
- INTARC 90B, Internship (2)
- INTARC 90C, Internship (3)
- INTARC 90D, Internship (4)

DIGITAL PRODUCTION AND DESIGN, DEPARTMENT CERTIFICATE

This program provides students with hands-on education using industry-standard digital tools. The coursework focuses on the skills necessary for digital production and design using CAD technology, BIM technology, solid modeling techniques, rendering, animation, and digital image enhancement. Students will be prepared to work in a wide range of design disciplines, including interior design firms, architecture firms, picture and furnishing design firms, and 3D rendering firms.

Program Learning Outcomes: Upon completion of the program, students will demonstrate the ability to draft and develop digital drawings and renderings for effective communication using industry-standard tools and methods.

Required Courses:

- INTARC 35, 2D Digital Drafting (3)
- INTARC 38, 3D Digital Drafting I (3)
- INTARC 57, 3D Digital Drafting II (3)
- INTARC 65, Digital Rendering for Interiors (3)
- INTARC 70, 3D Digital Rendering and Animation (3)

SET DESIGN AND ART DIRECTION FOR FILM AND TV, DEPARTMENT CERTIFICATE

Required Courses:

- INTARC 28A, Visual Studies I (3) (formerly INTARC 32)
- INTARC 28B, Visual Studies II (3) (formerly INTARC 28)
- INTARC 37, Set Design and Art Direction for Film and TV (3)
- INTARC 41, History of Interior Architecture and Furniture I (3)
- INTARC 52, Production Design for Film and TV (3)

Italian

See Modern Languages

Japanese

See Modern Languages

Journalism

This program teaches students the methods and techniques for gathering, processing and delivering news, and prepares students to be professional print and multimedia journalists. Included is instruction in news writing and editing, reporting and multimedia story production, professional standards and ethics, and journalism history and research. Careers in this field include book editor, copywriter, film critic, foreign correspondent, freelance writing, online editor, multimedia story producer, jour-

nalist, magazine editor, news anchor, newspaper editor, publicist, sportswriter, and technical writer.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Journalism Associate Degree for Transfer
Students may satisfy the requirements of this degree with approved courses (which may be fewer units) taken at other California Community Colleges. The courses listed below are SMC courses. If completed entirely at SMC, the Area of Emphasis requires 19 units.
- Journalism – Multimedia Storytelling Associate Degree
- Related Area: Communication Studies
- Related Area: Media Studies

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

SMC offers the **Journalism Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Journalism AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/ad-search/search.shtml

- Bakersfield: Communications – Communications – General, BA
- Chico: Journalism – News, BA
- Chico: Journalism – Public Relations, BA
- Dominguez Hills: Communications – Advertising/Public Relations Option, BA
- Dominguez Hills: Communications – Journalism, BA
- Dominguez Hills: Communications – Media Studies Option, BA
- East Bay: Communication – Media Production, BA
- East Bay: Communication – Professional, Public and Organizational Communication, BA
- Fresno: Mass Communication & Journalism – Print Journalism, BA

- Fullerton: Communications – Journalism, BA
- Humboldt: Journalism – News, BA
- Humboldt: Journalism – Public Relations, BA
- Long Beach: Journalism – General, BA
- Monterey Bay: Human Communication – Journalism and Media Studies, BA
- Pomona: Communication – Journalism, BS
- Sacramento: Journalism – Government/Journalism, BA
- Sacramento: Journalism, BA
- San Jose: Humanities – Liberal Arts, BA
- San Marcos: Mass Media – General, BA

Articulation agreements and exact major requirements can be found at assist.org

JOURNALISM, ASSOCIATE DEGREE FOR TRANSFER

The Associate in Arts in Journalism for Transfer (AA-T) involves the methods and techniques for gathering, processing, and delivering news, and prepares students to be professional print and multimedia journalists. Included is instruction in news writing and editing, reporting and multimedia story production, professional standards and ethics, and journalism history and research. Careers in this field include book editor, copywriter, film critic, foreign correspondent, freelance writer, online editor, multimedia story producer, journalist, magazine editor, news anchor, newspaper editor, publicist, sportswriter, and technical writer.

Upon completion of the Associate in Arts in Journalism for Transfer (AA-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Completion of the degree indicates that the student will have satisfied the lower-division requirements for transfer into journalism or similar majors for many campuses in the California State University system.

Program Learning Outcomes: Upon completion of the program, students will be able to produce essential nonfiction storytelling techniques in print and multimedia formats, demonstrate the ability to work as a team member to collaborate on media production across several formats, and demonstrate an understanding of the ethical and legal issues affecting journalists.

Required Core Courses: (9 units minimum)

- JOURN 1, The News (3)
- JOURN 16, Producing the Campus Newspaper (4)
- MEDIA 1, Survey of Mass Media Communications (3)

LIST A: Select 1 course from the following: (3 units required)

- JOURN 2, Intermediate News Writing and Reporting (3)
- JOURN 15, Introduction to Multimedia Storytelling (3)
- JOURN 17, Editing the Campus Newspaper (2)
- JOURN 21, News Photography (3) (*same as PHOTO 13*)
- JOURN 43, Public Relations and Publicity (3)
- PHOTO 13, News Photography (3)

LIST B: Select 2 courses; each course must come from a different group: (6 units minimum)

GROUP 1

Any course from List A not used above.

GROUP 2

BUS 32, Business Communications (3)
 COM ST 11, Elements of Public Speaking (3)
 COM ST 12, Persuasion (3)
 COM ST 16, Fundamentals of Small Group Discussion (3)
 COM ST 21, Argumentation (3)
 ENGL 1, Reading and Composition 1 (3)
 ENGL 2, Critical Analysis and Intermediate Composition (3)
 ENGL 31, Advanced Composition (3)
 HIST 47, The Practice of History (3)
 PHILOS 7, Logic and Critical Thinking (3)

GROUP 3

MATH 2, Precalculus (5)
 MATH 21, Finite Mathematics (3)
 MATH 26, Functions and Modeling for Business and Social Science (3)
 MATH 54, Elementary Statistics (4)

or

any math course for which these are a prerequisite

GROUP 4

PHOTO 1, Introduction to Photography (3)

JOURNALISM – MULTIMEDIA STORYTELLING, ASSOCIATE DEGREE

Program Learning Outcomes: Upon completion of the program, students will be able to produce essential nonfiction storytelling techniques in print and multimedia formats, demonstrate the ability to work as a team member to collaborate on media production across several formats, and demonstrate an understanding of the ethical and legal issues affecting journalists.

Required Courses: (10 units)

JOURN 1, The News (3)
 JOURN 15, Introduction to Multimedia Storytelling (3)
 MEDIA 1, Survey of Mass Media Communications (3)

Elective Courses: Select at least 1 course from each group: (9 units)

GROUP A

CIS 50, Internet, HTML, and Web Design (3)
 CIS 56, Web Media Production (3)
 CIS 59A, Dreamweaver 1 (3)
 CIS 60A, Photoshop I (3)
 ET 31A, Digital Video Fundamentals (3)
 GR DES 31, Graphic Design Studio (2)
 GR DES 34, Publication and Page Design 1 (3)
 GR DES 64, Digital Imaging for Design I (3)
 GR DES 65, Web Design (3)
 JOURN 4A, Newscasting and Newswriting (3) (*same as MEDIA 14*)
 JOURN 8, Writing to Sell (3)
 JOURN 17, Editing the Campus Newspaper (2)
 JOURN 21, News Photography (3) (*same as PHOTO 13*)
 JOURN 22, Photography for Publication (3) (*same as PHOTO 14*)
 JOURN 43, Public Relations and Publicity (3)
 JOURN 90B, Internship in Journalism (2)
 PHOTO 29, Video Production for Still Photographers (3)

GROUP B

MEDIA 1, Survey of Mass Media (3)
 MEDIA 2, Reading Media: Acquiring Media Literacy Skills (3)
 MEDIA 10, Journalism, Gender and Race (3)

Kinesiology/Physical Education

Programs Offered:

- Transfer Preparation
- Kinesiology Associate Degree for Transfer
Students may satisfy the requirements of this degree with approved courses (which may be fewer units) taken at other California Community Colleges. The courses listed below are SMC courses. If completed entirely at SMC, the Area of Emphasis requires 21 units.
- Athletic Coaching Associate Degree
- Athletic Coaching Certificate of Achievement (24 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

SMC offers the **Kinesiology Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Kinesiology AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/adt-search/search.shtml

- Bakersfield: Kinesiology – Applied Exercise Science, BS
- Bakersfield: Kinesiology – Physical Activity Leadership, BS
- Chico: Exercise Physiology – Exercise Physiology – General, BS
- Chico: Kinesiology – Movement Studies, BA
- Chico: Kinesiology – Physical Education Teacher Education, BA

- Dominguez Hills: Physical Education – Fitness Director, BA
- East Bay: Kinesiology – Special Studies, BS
- Fresno: Kinesiology – Exercise Science, BS
- Fresno: Kinesiology – General Kinesiology, BS
- Fresno: Kinesiology – Physical Education, BS
- Fullerton: Kinesiology – Exercise Science, BS
- Fullerton: Kinesiology – Gerokinesiology, BS
- Fullerton: Kinesiology – General, BS
- Fullerton: Kinesiology – Recreation, Fitness and Health Promotion, BS
- Fullerton: Kinesiology – Sport Studies, BS
- Fullerton: Kinesiology – Strength and Conditioning, BS
- Fullerton: Kinesiology – Teacher Education, BS
- Long Beach: Kinesiology – Sport Psychology and Leadership, BS
- Los Angeles: Kinesiology – Community Leadership of Physical Activity, BS
- Los Angeles: Kinesiology – Exercise and Human Performance, BS
- Los Angeles: Kinesiology – Rehabilitation and Therapeutic Exercise, BS
- Los Angeles: Kinesiology – Subject Matter Preparation for Single Subject Teaching Credential, BS
- Monterey Bay: Kinesiology – Exercise Science, BS
- Monterey Bay: Kinesiology – Wellness, BS
- Northridge: Kinesiology – Dance, BS
- Northridge: Kinesiology – Sport Studies, BS
- Pomona: Kinesiology – Exercise Science, BS
- Pomona: Kinesiology – Health Promotion, BS
- Pomona: Kinesiology – Pedagogy, BS
- Sacramento: Kinesiology – Physical Education, BS
- San Bernardino: Kinesiology – Exercise Science, BS
- San Bernardino: Kinesiology – Pedagogy, BS
- San Diego: Kinesiology – Exercise Science Generalist (AA-T only), BS
- San Francisco: Kinesiology – Exercise and Movement Sciences, BS
- San Jose: Humanities – Liberal Arts, BA
- San Jose: Kinesiology, BS
- Stanislaus: Kinesiology – Exercise Science, BA
- Stanislaus: Kinesiology – General, BA
- Stanislaus: Kinesiology – Health Promotion, BA

KINESIOLOGY, ASSOCIATE DEGREE FOR TRANSFER

The Associate in Arts in Kinesiology for Transfer (AA-T) involves the study of human development, anatomy, physiology, mechanics, and motor learning. Within each subdiscipline, students study stressors — both positive and negative — that govern human performance. In addition, discussions focus on exercise, nutrition, and techniques used to achieve health and wellness. Students develop and integrate the concepts and principles from each subdiscipline to understand the complexity of the human body.

Upon completion of the Associate in Arts in Kinesiology for Transfer (AA-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Students who have completed the Associate in Arts for Transfer in Kinesiology will have satisfied the lower-division requirements for transfer into

Kinesiology or a similar major for many campuses in the California State University system.

Program Learning Outcomes: Upon completion of the program, students will demonstrate skills in anatomy, physiology, kinesiology, and motor learning, as well as an appreciation of the complexity of the human body as it relates to exercise, nutrition, and techniques used to achieve health and wellness.

Required Courses: (11 units)

- ANATMY 1, Human Anatomy (4)
- PHYS 3, Human Physiology (4)
- PRO CR 10, Introduction to Kinesiology (3)

Movement Based courses: Select 1 course from 3 different areas: (3 units)

- Aquatics: KIN PE 48A, 48B, 48C, 48D, 49D, 50A, 50C, 51A, 51B
- Combatives: KIN PE 34A, 34B, 41M, 41W
- Dance: DANCE 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 27B, 29, 31, 32, 41, 42, 60
- Fitness: KIN PE 2, 10A, 11A, 11B, 11C, 11N, 13, 15A, 17, 19A, 19B, 19C, 19D, 19E, 58A, 58B, 58C
- Individual Sports: KIN PE 5A, 5B, 5C, 14, 15A, 16A, 25A, 25B, 25C, 37A, 37B, 53A, 53B, 54A, 54B, 54C, 54D, 56A, 56B
- Team Sports: KIN PE 9A, 9B, 9C, 9W, 21, 21C, 43A, 45A, 57A, 57B, 57C, 59A, 59B, 59C

Support Courses: Select 2 courses from the following: (7 units minimum)

- BIOL 2, Human Biology (3)
-
- CHEM 10, Introductory General Chemistry (5)
- or**
- CHEM 11, General Chemistry I (5)
- or**
- CHEM 19, Fundamentals of General, Organic, and Biological Chemistry (5)
-
- MATH 54, Elementary Statistics (4)
- PHYSICS 6, General Physics (4)
-
- PHYSICS 8, General Physics 1 with Calculus (4)
- or**
- PHYSICS 21, Mechanics with Lab (5)

ATHLETIC COACHING, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

The Athletic Coaching program prepares students to coach a variety of sports and fitness activities. The program includes courses in kinesiology physical education, athletics, and nutrition. Students will understand the basics of training and fitness, prevention of injuries, nutrition, and the fundamental skills of the sport in their area of emphasis. Athletic coaching can lead to employment as sport coaches at the high school, collegiate, recreational and club levels. For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Program Learning Outcomes: Upon completion of the program, students will demonstrate how to safely train and prepare athletes and teams for competitions. They will also demonstrate the skills and techniques associated with

the sport in their area of specialization, and will demonstrate familiarity with techniques for motivating athletes and team performance.

Required Core Courses: (17 units)

KIN PE 3, Introduction to Exercise Physiology I (3)
 KIN PE 4, Introduction to Sport Psychology (3)
 NUTR 4, Healthy Lifestyle: Food and Fitness (3)
 PRO CR 11, Introduction to Sports Injuries (3)
 PRO CR 19, Field Experience (2)

 HEALTH 11, First Aid and Cardio-Pulmonary Resuscitation (3)

or

PRO CR 12, Emergency Care and Water Safety (3)

Area of Specialization; select 1 course from the following: (3 units)

PRO CR 3, Coaching of Racket Sports (3)
 PRO CR 4, Coaching of Track and Field (3)
 PRO CR 6A, Coaching of Football (3)
 PRO CR 6B, Coaching of Baseball (3)
 PRO CR 7, Coaching of Soccer (3)
 PRO CR 8, Coaching of Basketball (3)
 PRO CR 9, Coaching of Volleyball (3)
 PRO CR 25, Personal Trainer Preparation (3)

Required Fitness Courses; complete a minimum of 2 units by selecting from the following courses:

KIN PE 2, Achieving Lifetime Fitness (3)
 KIN PE 10A, Fitness Lab (1)
 KIN PE 10C, Advanced Fitness Lab (1)
 KIN PE 11A, Beginning Weight Training (1)
 KIN PE 11B, Intermediate Weight Training (1)
 KIN PE 11C, Advanced Weight Training (1)
 KIN PE 11N, Individual Weight Training (1)
 KIN PE 12, Olympic Style Weightlifting (1)
 KIN PE 17, Boxing for Fitness (1)
 KIN PE 19A, Fitness – Anaerobic Exercises (1)
 KIN PE 19B, Fitness – Aerobic Exercises (1)
 KIN PE 19C, Fitness – Body Level Exercises (1)
 KIN PE 19D, Fitness – Aquatic Exercises (1)
 KIN PE 19E, Pilates Mat Exercise (1)
 KIN PE 58A, Beginning Yoga (1)
 KIN PE 58B, Intermediate Yoga (1)
 KIN PE 58C, Advanced Yoga (1)
 VAR PE 11A, In-Season Intercollegiate Strength and Conditioning (1)
 VAR PE 11B, Off-Season Intercollegiate Strength and Conditioning (1)
 VAR PE 60, Conditioning for Intercollegiate Sport (1)

Sports Area: select 2 courses: 1 from List A and a different course from List B.

List A: Includes all KIN PE Courses that are NOT in the Fitness list: (1 unit required)

List B: Highest Level Courses: (1 unit required)

KIN PE 5C, Advanced Badminton (1)
 KIN PE 9C, Advanced Basketball (1)
 KIN PE 9W, Advanced Basketball for Women (1)
 KIN PE 10C, Advanced Fitness Lab (1)
 KIN PE 11C, Advanced Weight Training (1)
 KIN PE 12, Olympic-Style Weightlifting (1)
 KIN PE 14C, Advanced Cross Country (1)
 KIN PE 16B, Intermediate Rock Climbing (1)
 KIN PE 21C, Advanced Football for Men (1)

KIN PE 25D, Golf Player Development (1)
 KIN PE 34D, Advanced Karate (1)
 KIN PE 43D, Competitive Soccer (1)
 KIN PE 45C, Advanced Softball (1)
 KIN PE 48D, Advanced Swimming (1)
 KIN PE 50C, Advanced Water Polo (1)
 KIN PE 51B, Intermediate Surfing (1)
 KIN PE 53B, Intermediate Table Tennis (1)
 KIN PE 54D, Advanced Tennis (1)
 KIN PE 56B, Intermediate Track and Field (1)
 KIN PE 57C, Advanced Volleyball (1)
 KIN PE 59C, Advanced Beach Volleyball (1)
 VAR PE 9V, Varsity Basketball for Men (3)
 VAR PE 9W, Varsity Basketball for Women (3)
 VAR PE 14V, Varsity Cross Country for Men (3)
 VAR PE 14W, Varsity Cross Country for Women (3)
 VAR PE 20V, Advanced Football for Men (1)
 VAR PE 21V, Varsity Football for Men (3)
 VAR PE 43V, Varsity Soccer for Men (3)
 VAR PE 43W, Varsity Soccer for Women (3)
 VAR PE 45W, Varsity Softball for Women (3)
 VAR PE 48V, Varsity Swimming and Diving for Men (3)
 VAR PE 48W, Varsity Swimming and Diving for Women (3)
 VAR PE 50V, Varsity Water Polo for Men (3)
 VAR PE 50W, Varsity Water Polo for Women (3)
 VAR PE 54W, Varsity Tennis for Women (3)
 VAR PE 56V, Varsity Track and Field for Men (3)
 VAR PE 56W, Varsity Track and Field for Women (3)
 VAR PE 57V, Varsity Volleyball for Men (3)
 VAR PE 57W, Varsity Volleyball for Women (3)
 VAR PE 59W, Varsity Beach Volleyball for Women (3)

Korean

See *Modern Languages*

Latin American Studies

See *Modern Languages*

Liberal Arts

Liberal Arts provides a broad education that can be used in many different careers programs of study. Liberal arts studies include English, Communication, Arts and Humanities, Science, Social Science, and Physical Education. Elementary school teachers often major in liberal arts. Some additional career options to consider exist in advertising, business, health administration, human resources management, politics, education, government, computers, writing, and editing. For additional information on Teacher Preparation, please see the Teacher Preparation guide, available online at smc.edu/articulation and in the Transfer/Counseling Center.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Liberal Arts Associate Degree (historical, see below)

- Liberal Arts – Arts and Humanities Associate Degree
- Liberal Arts – Social and Behavioral Science Associate Degree

TRANSFER PREPARATION

Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

LIBERAL ARTS, ASSOCIATE DEGREE (HISTORICAL)

The Liberal Studies Associate degree is available to students who enrolled at SMC in Spring 2010 or earlier and who have maintained catalog rights. (See page 34 for definition of catalog rights.) For Liberal Arts Associate degree requirements, please see the 2008-09 SMC catalog.

LIBERAL ARTS – ARTS & HUMANITIES

Liberal Arts – Arts & Humanities is program that focuses on combined studies in art and humanities, as distinguished from the social and behavioral sciences, with an emphasis on languages, literature, art, music, philosophy, and religion. This major provides a broad education that can be used in a variety of careers, including teaching. For additional information on Teacher Preparation, please see the Teacher Preparation guide in the Transfer/Counseling Center or at smc.edu/articulation. For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Program Learning Outcomes: Students completing a degree in Liberal Arts – Arts & Humanities will demonstrate through oral and written academic work knowledge of the arts and humanities and be prepared to pursue further study in a related major at the baccalaureate level. Students will be proficient in the research, analytical, and communication skills necessary to present a critical analysis.

Required Courses:

Complete 18 units, including at least 6 units from Area A and 6 units from Area B, as specified below. Remaining 6 units may be chosen from any area/group. Select from the following two groups:

AREA A: ARTS

Select at least 2 courses from different groups: (minimum 6 units required)

GROUP 1:

ART 10A*, 10B*, 13, 20A*, 20B*, 40A*, 40B, 43A, 43B

GROUP 2:

AHIS 1, 2, 3, 5, 6^{cc}, 11^{cc}, 15, 17, 18, 21, 22, 52 (same as PHOTO 52), 71, 72^{cc};
ET 61;

GR DES 64 (formerly same as ET 37);
PHOTO 52 (same as AHIS 52)

GROUP 3:

DANCE 2^{cc}, 5

GROUP 4:

FILM 1, 2, 5, 6, 8, 9, 10, 11 (same as ENGL 11)

GROUP 5:

INTARC 30, 34, 41, 42

GROUP 6:

MUSIC 1, 30, 31, 32, 33^{cc}, 36^{cc}, 37^{cc}, 39, 60A*, 60B*, 66

GROUP 7:

ENGL 55 (formerly same as TH ART 7);

TH ART 2, 5, 41

*May be 1.5 or 2 unit course; additional course may be required to meet minimum 6 unit Arts requirement.

AREA B: HUMANITIES

Select at least 2 courses from 2 different groups OR 2 courses in different languages from Group 1: (6 units minimum required)

GROUP 1:

ASL 1^{cc}, 2^{cc};

ARABIC 1^{cc};

CHINESE 1^{cc}, 2^{cc}, 3^{cc}, 4^{cc}, 8, 9;

FRENCH 1^{cc}, 2^{cc}, 3^{cc}, 4^{cc}, 8;

GERMAN 1^{cc}, 2^{cc}, 3^{cc}, 4^{cc}, 8;

HEBREW 1^{cc}, 2^{cc}, 3^{cc}, 4^{cc}, 8;

ITAL 1^{cc}, 2^{cc}, 3^{cc}, 4^{cc}, 8;

JAPAN 1^{cc}, 2^{cc}, 3^{cc}, 4^{cc}, 8;

KOREAN 1^{cc}, 2^{cc}, 3^{cc}, 4^{cc};

PERSIN 1^{cc}, 2^{cc};

PORTGS 1^{cc};

RUSS 1^{cc}, 2^{cc}, 8;

SPAN 1^{cc}, 2^{cc}, 3^{cc}, 4^{cc}, 8, 9, 11^{cc}, 12^{cc}, 20;

TURK 1^{cc}

GROUP 2:

COM ST 12, 14^{cc}

GROUP 3:

ENGL 2, 3, 4, 5, 6, 7, 8, 9^{cc}, 10^{cc}, 11 (same as FILM 11), 14, 15, 17, 18, 26 (same as HUM 26), 30A, 30B, 31, 32 (formerly same as HIST 30), 34, 38, 39, 40, 41, 45, 49^{cc}, 50, 51 (same as REL ST 51), 52 (same as REL ST 52), 53, 54, 55, 56, 57, 58, 59;

FILM 11 (same as ENGL 11);

HUM 26 (same as ENGL 26);

JAPAN 9

REL ST 51 (same as ENGL 51), 52 (same as ENGL 52)

GROUP 4:

FILM 7^{cc}

GROUP 5:

PHILOS 48 (same as HIST 48);

HIST 48 (same as PHILOS 48)

GROUP 6:

ENVRN 20^{cc} (same as PHILOS 20);

PHILOS 1, 2, 3, 4, 5, 6, 10, 11, 20^{cc} (same as ENVRN 20), 22, 23, 41, 51 (same as POL SC 51), 52 (same as POL SC 52);

POL SC 51 (same as PHILOS 51), 52 (same as PHILOS 52)

GROUP 7:

LING 1^{cc}

PLEASE NOTE: ^{cc} indicates courses that fulfill the SMC Global Citizenship requirement.

LIBERAL ARTS – SOCIAL & BEHAVIORAL SCIENCE

The Liberal Arts – Social & Behavioral Science program focuses on the combined study of the social and behavioral sciences, as distinguished from the arts and humanities, with an emphasis on economics, history, political science, psychology, sociology, and anthropology. This major provides a broad education that can be used in a variety of careers, including teaching.

Program Learning Outcomes: Students completing a degree in Liberal Arts – Social & Behavioral Science will demonstrate through oral and written academic work knowledge of the social and behavioral sciences and be prepared to pursue further study in a related major at the baccalaureate level. Students will be proficient in the research, analytical, and communication skills necessary to present a critical analysis.

Complete 18 units, including at least 6 units from Area A and 6 units from Area B, as specified below. Remaining 6 units may be chosen from any area/group. Select from the following two groups:

AREA A: SOCIAL SCIENCE

Select at least 2 courses from different groups: (minimum 6 units required)

GROUP 1:

ECON 1, 2, 6

GROUP 2:

ENVRN 7^{GC} (same as GEOG 7);
GEOG 2, 7^{GC} (same as ENVRN 7), 8 (same as URBAN 8),
11^{GC} (same as GLOBAL 11), 14^{GC};
GLOBAL 11^{GC} (same as GEOG 11);
URBAN 8 (same as GEOG 8)

GROUP 3:

ECON 15 (same as HIST 15);
ENGL 32 (same as HIST 30);
ENVRN 14^{GC} (same as HIST 14), 32^{GC} (same as HIST 32);
HIST 1, 2, 3, 4, 5, 6^{GC}, 10^{GC}, 11, 12, 13, 14^{GC} (same as
ENVRN 14), 15 (same as ECON 15), 16, 19, 20,
21, 22, 23, 24, 25^{GC} (satisfies GC requirement
if completed Fall 2014 or later), 26, 28, 29,
30 (formerly same as ENGL 32), 32^{GC} (same as
ENVRN 32), 33, 34^{GC} (satisfies GC requirement if
completed Fall 2014 or later), 38, 39^{GC} (satisfies GC
requirement if completed Fall 2014 or later), 41,
42, 43, 47, 48 (same as PHILOS 48), 52, 53, 55, 62;
PHILOS 48 (formerly same as HIST 48)

GROUP 4:

ECON 5^{GC} (same as POL SC 5 and GLOBAL 5);
ENVRN 22^{GC} (same as POL SC 22);
GLOBAL 5^{GC} (same as ECON 5 and POL SC 5);
PHILOS 51 (same as POL SC 51), 52 (same as POL SC
52);
POL SC 1, 2, 3, 5^{GC} (same as ECON 5 and GLOBAL 5), 7,
8, 11, 14, 21^{GC}, 22^{GC} (same as ENVRN 22), 23, 24, 31,
47, 51 (same as PHILOS 51), 52 (same as PHILOS 52)

GROUP 5:

AD JUS 1, Introduction to Administration of Justice
(3)
AD JUS 2, Concepts of Criminal Law (3)
SOCIO 1, 1s^{GC}, 2, 2s^{GC}, 4, 12, 30, 31, 32, 33, 34^{GC}

GROUP 6:

WGS 10^{GC}, 20^{GC}, 30^{GC}

GROUP 7:

AD JUS 1, 2;
GLOBAL 10^{GC}

AREA B: BEHAVIORAL SCIENCE

Select at least 2 courses from different groups: (6 units minimum required)

GROUP 1:

ANTHRO 2^{GC}, 3, 4, 7, 14^{GC}, 19^{GC}, 20, 21^{GC}, 22;
ASTRON 6^{GC}

GROUP 2:

NUTR 7^{GC}

GROUP 3:

COM ST 31, 35, 36, 37^{GC}

GROUP 4:

GLOBAL 3 (same as MEDIA 3);
MEDIA 1, 3 (same as GLOBAL 3), 10^{GC}

GROUP 5:

ECE 11^{GC};
ENVRN 40^{GC} (same as PSYCH 40);
PSYCH 1, 3, 5, 6, 7, 11, 13, 14, 19, 25, 40^{GC} (same as
ENVRN 40)

PLEASE NOTE: ^{GC} indicates courses that fulfill the SMC Global Citizenship requirement.

Linguistics

See Modern Languages

Mathematics

Mathematicians use symbolic languages to set up and analyze relationships among quantities and qualities of things, events, and places. Pure mathematicians develop the theories to further the science of mathematics. Possible careers include actuary, computer engineer, cryptographer, satellite communications expert, robotics programmer, statistician and teacher.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Mathematics Associate Degree for Transfer
Students may satisfy the requirements of this degree with approved courses (which may be fewer units) taken at other California Community Colleges. The courses listed below are SMC courses. If completed entirely at SMC, the Area of Emphasis requires 21 units.

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system** has a **transfer pathway** for any UC campus that offers Mathematics. For more information, visit pathwaysguide.universityofcalifornia.edu

SMC offers the **Mathematics Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Mathematics AS-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/ad-search/search.shtml

- Bakersfield: Mathematics – Applied, BS
- Bakersfield: Mathematics – Economics, BS
- Bakersfield: Mathematics – Statistics, BS
- Bakersfield: Mathematics – Teaching, BS
- Bakersfield: Mathematics – Theoretical, BS
- Channel Islands: Mathematics – General, BS
- Chico: Mathematics – Applied Mathematics, BS
- Chico: Mathematics – General Mathematics, BS
- Chico: Mathematics – Mathematics Education, BS
- Chico: Mathematics – Statistics, BS
- Dominguez Hills: Mathematics, BS
- East Bay: Mathematics – Applied Mathematics, BS
- East Bay: Mathematics – Mathematics Teaching, BS
- East Bay: Mathematics – Pure Mathematics, BS
- East Bay: Statistics – General, BS
- Fresno: Mathematics, BA
- Fullerton: Mathematics – Actuarial Science, BA
- Fullerton: Mathematics – Applied Mathematics, BA
- Fullerton: Mathematics – Mathematics – General, BA
- Fullerton: Mathematics – Probability and Statistics, BA
- Fullerton: Mathematics – Pure Mathematics, BA
- Fullerton: Mathematics – Teaching Mathematics, BA
- Humboldt: Mathematics – Applied Mathematics, BA
- Humboldt: Mathematics, BA
- Long Beach: Mathematics – Applied Mathematics, BS
- Long Beach: Mathematics – General, BS
- Long Beach: Mathematics – Mathematics Education, BS
- Long Beach: Mathematics – Statistics, BS
- Monterey Bay: Mathematics – Mathematics Subject Matter Preparation Program, BS
- Monterey Bay: Mathematics – No Concentration, BS
- Northridge: Mathematics – Applied Mathematical Sciences, BS
- Northridge: Mathematics – General, BA
- Northridge: Mathematics – General, BS
- Northridge: Mathematics – Secondary Teaching, BA
- Northridge: Mathematics – Statistics, BS

- Pomona: Mathematics – Secondary Teacher Prep\Pure Mathematics, BS
- Sacramento: Mathematics – General, BA
- San Bernardino: Mathematics – General, BA
- San Diego: Mathematics – Science, BS
- San Francisco: Applied Mathematics – Applied Mathematics – General, BS
- San Francisco: Mathematics – Mathematics for Advanced Study, BA
- San Francisco: Mathematics – Mathematics for Liberal Arts, BA
- San Francisco: Mathematics – Mathematics for Teaching, BA
- San Francisco: Statistics – Statistics – General, BS
- San Jose: Humanities – Liberal Arts, BA
- San Jose: Mathematics, BA
- San Jose: Mathematics – Preparation for Teaching, BA
- San Marcos: Mathematics – General, BS
- Sonoma: Applied Statistics – Applied Statistics – General, BA
- Sonoma: Mathematics – Mathematics – General, BA
- Stanislaus: Mathematics – General, BA
- Stanislaus: Mathematics – General, BS

MATHEMATICS, ASSOCIATE DEGREE FOR TRANSFER

Upon successful completion of the Santa Monica College's AS-T in Mathematics, the student will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. This coursework will satisfy most of the lower-division Mathematics requirements at many institutions at both the University of California and the California State University systems. This degree is intended for students who are interested in the theory of Mathematics and are planning to transfer to a four-year university and majoring in Mathematics, Physics, Engineering, or Computer Science.

Program Learning Outcomes: Upon completion of the program, students will demonstrate an appreciation and understanding of mathematics in order to develop creative and logical solutions to various abstract and practical problems. Furthermore, given a mathematical situation, the student will be able to critically analyze it, determine an appropriate strategy to address it, and implement the strategy to find the solution.

Required Courses: (18 units)

- MATH 7, Calculus 1 (5)
- MATH 8, Calculus 2 (5)
- MATH 11, Multivariable Calculus (5)
- MATH 13, Linear Algebra (3)

Select 1 course from the following: (3 units)

- CS 10, Discrete Structures (3)
- MATH 10, Discrete Structures (3) (*strongly recommended*)
- MATH 15, Ordinary Differential Equations (3) (*strongly recommended*)
- PHYSICS 8, Calculus-based General Physics I with Lab (4)
- PHYSICS 21, Mechanics with Lab (5)

Transfer and program requirements are subject to change. For the most up-to-date information regarding transfer preparation visit assist.org and regarding degree and certificate requirements visit smc.edu/articulation.

Media Studies

Media is a versatile discipline consisting of two areas of study: media studies and media production. Our media studies area focuses on the analysis of the mass media. Media Studies courses use an analytical and historical approach, and students develop skills to assess the role and impact of mass media on society. Students examine the history, values, and structure of media in the US and internationally. Media literacy skills are another fundamental component of Media Studies courses. Upon successful completion of our Media Studies courses, each student should leave as a media literate individual – a more aware, critical audience member with a well-developed sense of mass media's role in society. There is a wide range of employment possibilities for students trained in Media Studies, including positions in public relations, business, sales, public and personnel relations, and advertising.

Our Media Production courses provide hands-on training in the areas of Television, Radio and Internet Broadcasting, including broadcast news, sports, promotional videos, podcasting, short form and emerging media (360/virtual and augmented reality). Students completing the Broadcasting degrees and/or certificates are prepared for both employment opportunities in the broadcasting industry and transfer into four-year degree programs. The Promo Pathways program provides intensive training and internships for students pursuing promo advertising careers opportunities in the broadcasting industry and transfer into four-year degree programs.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Broadcast Programming and Production Associate Degree
- Broadcast Sales and Management Associate Degree
- Entertainment Promotion and Marketing Production Associate Degree
- Broadcast Programming and Production Certificate of Achievement (20 units)
- Broadcast Sales and Management Certificate of Achievement (21 units)
- Entertainment Promotion and Marketing Production Certificate of Achievement (24 units)
- Related Area: Communication Studies
- Related Area: Journalism

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation

agreements between SMC and some of these institutions see smc.edu/articulation.

BROADCAST PROGRAMMING AND PRODUCTION, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will be able to analyze and articulate the theories and critical models of the broadcasting industry, demonstrating an understanding of the principles of radio and television production and announcing, including professional terminology and procedures. Students will also be able to demonstrate the basic oral and written communication tools needed to function professionally in a radio and television production environment, including the ability to research, structure, and write dramatic and non-dramatic scripts for radio and television.

Required Courses: (15 units)

- MEDIA 1, Survey of Mass Media Communications (3)
- MEDIA 11, Introduction to Broadcasting (3)
- MEDIA 12, Broadcasting Programming and Management (3)
- MEDIA 13, Broadcasting Announcing and Production (3)
- MEDIA 14, Newscasting and Newswriting (3)

Restricted Electives; students must select at least 5 units from the following list:

- MEDIA 2, Reading Media: Acquiring Media Literacy Skills (3)
- MEDIA 15, Advanced Broadcasting Newscasting and Newswriting (3) (formerly same as JOURN 4B)
- MEDIA 16, Sports casting Fall Sports (3)
- MEDIA 17, Sports casting Spring Sports (3)
- MEDIA 18, Broadcast Advertising (3)
- MEDIA 19, Broadcasting Workshop (3)
- MEDIA 20, Introduction to Writing and Producing Short Form Media (3)
- MEDIA 21, Short Form Visual Media Production (3)
- MEDIA 46, Television Production (3)
- MEDIA 48, Television Field Production Workshop (3)
- MEDIA 90A, Internship (1)
- MEDIA 90B, Internship (2)

Additional general education and graduation requirements for the Associate degree from Santa Monica College are listed in the Academics section of this catalog, as well as online (go to smc.edu/articulation).

BROADCAST SALES AND MANAGEMENT, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will be able to analyze and articulate the theories and critical models of the broadcasting industry, demonstrating an understanding of the principles of radio and television production and announcing, including professional terminology and procedures. Students will also be able to demonstrate the basic oral and written communication tools needed to function professionally in a radio and television production environment, including the ability to research, structure, and write dramatic and non-dramatic scripts for radio and television.

Required Courses: (18 units)

BUS 23, Principles of Selling (3)
 MEDIA 1, Survey of Mass Media Communications (3)
 MEDIA 11, Introduction to Broadcasting (3)
 MEDIA 12, Broadcasting Programming and Management (3)
 MEDIA 13, Broadcasting Announcing and Production (3)
 MEDIA 18, Broadcast Advertising (3)

Restricted Electives; students must select at least 3 units from the following:

BUS 1, Introduction to Business (3)
 BUS 27, Introduction to E-Commerce (3) (formerly same as CIS 27)
 BUS 63, Principles of Entrepreneurship (3)
 MEDIA 2, Reading Media: Acquiring Media Literacy Skills (3)
 MEDIA 20, Introduction to Writing and Producing Short Form Media (3)
 MEDIA 21, Short Form Visual Media Production (3)
 MEDIA 90A, Internship (1)
 MEDIA 90B, Internship (2) Entertainment Promotion and Marketing Production, Associate Degree or Certificate of Achievement

ENTERTAINMENT PROMOTION AND MARKETING PRODUCTION, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

The Entertainment Promotion and Marketing Production program provides students with the skills, knowledge, training, and relationships necessary for entry level employment in the Entertainment Promotion and Marketing Production area of the Advertising and Promotion Media industry. This industry sector includes the writing, producing, editing, and design of on-air and off-air promotions, commercial advertisements and public service announcements, and ancillary mass media areas such as media strategy and planning, public relations, publicity, and broadcast/internet/interactive media marketing production.

This major may also lead to many other careers. For additional possibilities, visit the Career Services Center on campus to utilize computerized career information systems and other valuable career resources.

Program Learning Outcomes: Upon completion of the program, students will demonstrate the ability to use digital video and audio workstations to produce promotional spots, commercials, and various other electronic media projects. Students will have gained basic training and practical experience in writing, producing, music selection, and directing voice-over talent for marketing and alternative media branding campaigns; and they will understand modern business marketing concepts and strategies and become familiar with standards, procedures, and techniques used in marketing, including marketing research, target marketing; promotion, and digital media distribution strategies.

Required Core Courses: (18 units)

BUS 20, Principles of Marketing (3)

 ET 11, Computer Skills for Digital Media (3)
or
 GR DES 18, Introduction to Design Applications (3)

 ET 31A, Digital Video Fundamentals (3)

ET 31B, Digital Video Editing (3)
 MEDIA 20, Introduction to Writing and Producing Short Form Media (3)
 MEDIA 21, Short Form Visual Media Production (3)

Restricted Electives: (6 units)

BUS 26, Marketing Research and Consumer Behavior (3)
 BUS 34, Introduction to Social Media Marketing (3)
 COM ST 12, Persuasion (3)
 COUNS 16, Job Success Skills (1)
 ET 3, Principles of Project Management (3)
 ET 40, Digital Audio Fundamentals (3)
 ET 41, Digital Audio Post Production (3)
 ET 72, Career Development (2)
 GR DES 64, Digital Imaging for Design I (3)
 GR DES 71, Motion Graphics 1 (3)
 JOURN 43, Public Relations and Publicity (3)
 MEDIA 2, Reading Media Acquiring Media Literacy Skills (3)
 MEDIA 11, Introduction to Broadcasting (3)
 MEDIA 13, Broadcasting Announcing and Production (3)
 MEDIA 18, Broadcast Advertising (3)
 MEDIA 19, Broadcasting Workshop (3)
 MEDIA 90A, Broadcasting Internship (1)
 MEDIA 90B, Broadcasting Internship (2)

Microbiology

See Biological Sciences

Modern Languages

Santa Monica College offers language development courses in American Sign Language, Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Korean, Linguistics, Persian, Portuguese, Russian, Spanish, and Turkish.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- African and Middle Eastern Studies Department Certificate (16 units)
- Asian Studies Department Certificate (16 units)
- Latin American Studies Department Certificate (16 units)
- Related Program: Spanish Associate Degree for Transfer

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in various languages and linguistics. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

AFRICAN AND MIDDLE EASTERN STUDIES, DEPARTMENT CERTIFICATE

The African and Middle Eastern Studies Department Certificate prepares students for work with Arabic, Hebrew, Persian, Turkish, French, Spanish and/or Portuguese-speaking populations from Africa and the Middle East in the US and abroad. There are four possible areas of emphasis: liberal arts, international business, health sciences, and dance. This certificate is designed to complement an Associate Degree or Certificate of Achievement. Students will analyze and examine the countries and cultures of Africa and the Middle East.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of the cultural and linguistic diversity of Africa and the Middle East and the differences and commonalities in their world views and systems.

PLEASE NOTE: Students must petition the Modern Languages and Cultures department to obtain a Department Certificate in African and Middle Eastern Studies.

Required Language Courses: (10 units)

- ARABIC 1, Elementary Arabic 1 (5)
- FRENCH 4, Intermediate French II (5)
- FRENCH 8, Conversational French (2)
- HEBREW 4, Intermediate Hebrew 2 (5)
- HEBREW 8, Conversational Hebrew (2)
- PERSIN 2, Elementary Persian II (5)
- PORTGS 1, Elementary Portuguese 1 (5)
- SPAN 4, Intermediate Spanish II (5)
- SPAN 8, Conversational Spanish (2)
- SPAN 9, The Civilization of Spain (3)
- TURK 1, Elementary Turkish 1 (5)

Select a minimum of 6 units from ONE of the Focus Areas below:

Liberal Arts Focus Area:

- ANTHRO 20, Traditional Peoples and Cultures of Africa (3)
- AHIS 18, Introduction to African Art History (3)
- ENGL 32, History and Literature of Contemporary Africa (3)
- HIST 16, African American History (3)
- HIST 22, History of the Middle East (3)
- HIST 30, History and Literature of Contemporary Africa (3)
- HIST 38, History of Africa to 1900 (3)
- HIST 39, History of Africa from 1900 (3)
- POL SC 14, Middle East Government and Politics (3)
- SOCIOL 30, African Americans in Contemporary Society (3)

International Business Focus Area:

- BUS 50, Introduction to International Business (3)
- BUS 51, Intercultural Business Communication (3)
- BUS 52, International Marketing (3)
- BUS 53, Importing and Exporting (3)
- BUS 54, International Management (3)
- BUS 55, Southern California's International Connections (3)

Health Sciences Focus Area (only available to students admitted to the SMC Nursing program):

- NURSN 10, Nursing Skills (2)
- NURSN 28, Community-Based Nursing Practice (1)
- NURSN 60, Multicultural Health and Healing Practices (3) (same as HEALTH 60)

Dance Focus Area:

- DANCE 20, World Dance Survey (2)
- DANCE 25, African Dance (2)
- DANCE 29, Middle Eastern/North African Dance (2)
- DANCE 57A, World Dance Performance (3)

ASIAN STUDIES, DEPARTMENT CERTIFICATE

The Asian Studies Department certificate prepares students for work with Chinese, Japanese, or Korean-speaking populations in the US and abroad. There are four possible areas of emphasis: liberal arts, international business, health sciences, and dance. This certificate is designed to complement an Associate Degree or Certificate of Achievement. Students will analyze and examine the countries and cultures of Asia.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of the cultural and linguistic diversity of East Asia and the differences and commonalities in the world view and systems of China, Japan, or Korea.

PLEASE NOTE: Students must petition the Modern Languages and Cultures department to obtain a Department Certificate in Asian Studies.

Select 1 "Language Track" from the choices below:

Chinese Language Track: (10 units minimum)

- CHNESE 9, Chinese and Cultural and Tradition (3)

and

Complete a minimum of 7 units from the following:

- CHNESE 3, Intermediate Chinese 1 (5)
- CHNESE 4, Intermediate Chinese 2 (5)
- CHNESE 8, Conversational Chinese (2)

Japanese Language Track: (10 units)

- JAPAN 9, Japan: Culture and Civilization (3)

and

Complete a minimum of 7 units from the following:

- JAPAN 3, Intermediate Japanese I (5)
- JAPAN 4, Intermediate Japanese II (5)
- JAPAN 8, Conversational Japanese (2)

Korean Language Track: (10 units)

- KOREAN 3, Intermediate Korean I (5)
- KOREAN 4, Intermediate Korean II (5)
- KOREAN 8, Conversational Korean (2)
- KOREAN 25, Korean for the Professions (3)

Select a minimum of 6 units from ONE of the Focus Areas below:

Liberal Arts Focus Area:

- AHIS 17, Arts of Asia-Prehistory to 1900 (3)
- ENGL 40, Asian Literature (3)
- ENGL 45, Asian Film, Literature, and Society (3)
- ENGL 49, Asian Mythology (3)
- HIST 24, History of East Asia to 1600 (3)
- HIST 25, History of East Asian Since 1600 (3)
- HIST 62, Asian American History (3)
- PHILOS 22, Asian Philosophy (3)
- POL SC 8, The Modern Far East (3)

SOCIOL 32, Asian Americans in Contemporary Society (3)

International Business Focus Area:

BUS 50, Introduction to International Business (3)

BUS 51, Intercultural Business Communication (3)

BUS 52, International Marketing (3)

BUS 53, Importing and Exporting (3)

BUS 54, International Management (3)

BUS 55, Southern California's International Connections (3)

Health Sciences Focus Area (only available to students admitted to the SMC Nursing program):

HEALTH 60, Multicultural Health and Healing Practices (3) (same as NURSNG 60)

NURSNG 10, Nursing Skills (2)

NURSNG 28, Community-Based Nursing Practice (1)

Dance Focus Area:

DANCE 20, World Dance Survey (2)

DANCE 21, Asian Pacific Dance Survey (2)

DANCE 57A, World Dance Performance (3)

LATIN AMERICAN STUDIES, DEPARTMENT CERTIFICATE

The Latin American Studies Department Certificate prepares students for work with Spanish and/or Portuguese-speaking populations in the US and abroad. There are four possible areas of emphasis: liberal arts, international business, health sciences, and dance. This certificate is designed to complement an Associate Degree or Certificate of Achievement. Students will analyze and examine the countries and cultures of Latin America and the Caribbean.

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of the cultural and linguistic diversity of Latin America and the Caribbean and the differences and commonalities in their world views and systems.

PLEASE NOTE: Students must petition the Modern Languages and Cultures department to obtain a Department Certificate in Latin American Studies.

Required Language Courses: (7 units)

PORTGS 1, Elementary Portuguese 1 (5)

SPAN 3, Intermediate Spanish I (5)

SPAN 4, Intermediate Spanish II (5)

SPAN 8, Conversational Spanish (2)

SPAN 12, Spanish for Native Speakers 2 (5)

SPAN 25, Spanish for the Professions (3)

Required Civilization Course:

SPAN 20, Latin American Civilization (3)

Select a minimum of 6 units from ONE of the Focus Areas below:

Liberal Arts Focus Area:

ANTHRO 21, Peoples and Power in Latin America (3)

ANTHRO 35s, Archeological Field Techniques (3)

AHIS 5, Latin American Art History 1 (3)

AHIS 6, Latin American Art History 2 (3)

AHIS 15, Mexican Art History (3)

ENGL 57, Latin-American Literature (3)

ENGL 58, Literature of Mexico (3)

HIST 5, History of Latin America I (3)

HIST 6, History of Latin America II (3)

HIST 19, History of Mexico (3)

HIST 42, The Latina(o) Experience in the United States (3)

HIST 43, Mexican-American History (3)

SOCIOL 31, Latinas/os in Contemporary Society (3)

International Business Focus Area:

BUS 50, Introduction to International Business (3)

BUS 51, Intercultural Business Communication (3)

BUS 52, International Marketing (3)

BUS 53, Importing and Exporting (3)

BUS 54, International Management (3)

BUS 55, Southern California's International Connections (3)

Health Sciences Focus Area (only available to students admitted to the SMC Nursing program):

HEALTH 60, Multicultural Health and Healing Practices (3) (same as NURSNG 60)

NURSNG 10, Nursing Skills (2)

NURSNG 28, Community-Based Nursing Practice (1)

Dance Focus Area:

DANCE 20, World Dance Survey (2)

DANCE 22, Beginning Mexican Dance (2)

DANCE 23, Intermediate Mexican Dance (2)

DANCE 27, Brazilian Dance (2)

DANCE 27B, Intermediate Brazilian Dance (2)

DANCE 57A, World Dance Performance (3)

Music

The Music Associate in Arts degree provides educational opportunities designed to meet the needs of students who wish to explore and expand their knowledge, performance skills, and appreciation of music. The program includes applied and group music instruction, history, and instrumental ensembles, theory, and musicianship.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Option 1: Applied Music, Associate Degree
- Option 2: Music, Associate Degree

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

MUSIC, ASSOCIATE DEGREE

NOTE: Students have the choice of following the Music or Applied Music option requirements. Only one degree can be awarded.

Program Learning Outcomes: Upon completion of the program, students will demonstrate conversance in music theory, musicianship, and music history. Students will show proficiency in basic keyboard skills, and will demonstrate performance ability as active members of an ensemble.

Students are strongly recommended to take one of these two courses prior to taking any other major courses:

MUSIC 1, Fundamentals of Music (3)

or

MUSIC 66, Fundamentals of Music and Beginning Piano (5)

Required Courses: (15 units)

MUSIC 2, Musicianship (2)

MUSIC 3, Musicianship (2)

MUSIC 4, Musicianship (2)

MUSIC 6, Diatonic Harmony (3)

MUSIC 7, Chromatic Harmony (3)

MUSIC 8, Modulation and Analysis (3)

Select 2 courses from the following:

MUSIC 60A, Elementary Piano – First Level (2)

or

MUSIC 66, Fundamentals of Music and Beginning Piano (5)

MUSIC 60B, Elementary Piano – Second Level (2)

MUSIC 60C, Elementary Piano – Third Level (2)

MUSIC 60D, Elementary Piano – Fourth Level (2)

MUSIC 61A, Intermediate Piano – Fifth Level (2)

MUSIC 61B, Intermediate Piano Sixth Level (2)

MUSIC 64, Piano Ensemble (2)

MUSIC 69D, Interpretation of 20th Century Piano Music (2)

Piano majors pursuing Applied Music option may be exempt by examination given by the piano faculty. Students beyond the intermediate/early advanced level in piano may be exempted from this requirement by audition. Certification of the exemption by the Music Department must be filed with the petition for graduation. Students exempted from this requirement receive course credit but do not receive unit credit.

The following courses are recommended, though not required, for students pursuing either the Applied Music or Music option:

MUSIC 30, Music History I (3)

MUSIC 31, Music History II (3)

OPTION 1: Applied Music

Students pursuing the Applied Music option must complete one course per semester for a total of four semesters in performance ensemble courses selected from the following:

MUSIC 40, Opera Workshop (2)

MUSIC 42, Advanced Opera Production (5)

MUSIC 45, Musical Theatre Workshop (3) (*same as Theater Arts 45*)

MUSIC 52, Advanced Production – Musical Theatre (5)

MUSIC 53, Jazz Vocal Ensemble (2)

MUSIC 55, Concert Chorale (2)

MUSIC 59, Chamber Choir (2)

MUSIC 64, Piano Ensemble (2)

MUSIC 73B, Intermediate Percussion Ensemble (2)

MUSIC 74, Orchestra (2)

MUSIC 77, Wind Ensemble (2)

MUSIC 78, Jazz Ensemble (2)

Students pursuing the Applied Music option must take 4 semesters of each of the following courses as remaining electives: (12 units, audition required)

MUSIC 92, Applied Music Instruction (2)

MUSIC 94, Concert Music Class (1)

OPTION 2: Music

Students pursuing the Music option must complete a minimum of 8 units for performance ensemble courses selected from the following:

MUSIC 40, Opera Workshop (2)

MUSIC 42, Advanced Opera Production (5)

MUSIC 45, Musical Theatre Workshop (3) (*same as TH ART 45*)

MUSIC 52, Advanced Production – Musical Theatre (5)

MUSIC 53, Jazz Vocal Ensemble (2)

MUSIC 55, Concert Chorale (2)

MUSIC 59, Chamber Choir (2)

MUSIC 64, Piano Ensemble (2)

MUSIC 73B, Intermediate Percussion Ensemble (2)

MUSIC 74, Orchestra (2)

MUSIC 77, Wind Ensemble (2)

MUSIC 78, Jazz Ensemble (2)

Students pursuing the Music option must complete additional units from the list of electives below to meet the minimum 39 units in total:

MUSIC 1, Fundamentals of Music (3)

or

MUSIC 66, Fundamentals of Music and Beginning Piano (5)

MUSIC 10, Popular Harmony and Arranging (3)

MUSIC 12, Introduction to Music Technology (3)

MUSIC 13, Tonal Counterpoint (3)

MUSIC 24, Conducting (2)

MUSIC 30, Music History I (3)

MUSIC 31, Music History II (3)

MUSIC 32, Appreciation of Music (3)

MUSIC 33, Jazz in American Culture (3)

MUSIC 36, History of Rock Music (3)

MUSIC 37, Music in American Culture (3)

MUSIC 39, History of Opera (3)

MUSIC 40, Opera Workshop (2)

MUSIC 42, Advanced Opera Production (5)

MUSIC 45, Musical Theatre Workshop (3) (*same as TH ART 45*)

MUSIC 50A, Elementary Voice (2)

MUSIC 50B, Intermediate Voice (2)

MUSIC 52, Advanced Production – Musical Theatre (5)

MUSIC 53, Jazz Vocal Ensemble (2)

MUSIC 55, Concert Chorale (2)

MUSIC 57, Advanced Vocal Performance Techniques (2)

MUSIC 59, Chamber Choir (2)

MUSIC 60A, Elementary Piano – First Level (2)*

or

MUSIC 66, Fundamentals of Music and Beginning Piano (5)*

MUSIC 60B, Elementary Piano – Second Level (2)

MUSIC 60C, Elementary Piano – Third Level (2)

MUSIC 60D, Elementary Piano – Fourth Level (2)

MUSIC 61A, Intermediate Piano – Fifth Level (2)

MUSIC 61B, Intermediate Piano – Sixth Level (2)
 MUSIC 63, Sight Reading at Keyboard (2)
 MUSIC 64, Piano Ensemble (2)
 MUSIC 65A, Keyboard Improvisation I (2)
 MUSIC 65B, Keyboard Improvisation II (2)
 MUSIC 69D, Interpretation of 20th Century Piano Music (2)
 MUSIC 70A, String Instrument Techniques (2)
 MUSIC 70B, Intermediate Strings Techniques (2)
 MUSIC 70C, Advanced String Techniques (2)
 MUSIC 71, Woodwind Instrument Techniques (2)
 MUSIC 72, Brass Instrument Techniques (2)
 MUSIC 73A, Percussion Instrument Techniques (2)
 MUSIC 73B, Intermediate Percussion ensemble Instrument Techniques (2)
 MUSIC 74, Orchestra (2)
 MUSIC 76, Intermediate Brass, Woodwinds and Percussion (2)
 MUSIC 77, Wind Ensemble (2)
 MUSIC 78, Jazz Ensemble (2)
 MUSIC 79A, Jazz Improvisation (2)
 MUSIC 84A, Popular Guitar, First Level (2)
 MUSIC 84B, Popular Guitar, Second Level (2)
 MUSIC 87A, Classical and Flamenco Guitar, First Level (2)
 MUSIC 87B, Classical and Flamenco Guitar, Second Level (2)
 MUSIC 92, Applied Music Instruction (2) – four semesters
 MUSIC 94, Concert Music Class (1) – four semesters

The following courses are recommended, though not required, for students pursuing either the Applied Music or Music options:

MUSIC 30, Music History I (3)
 MUSIC 31, Music History II (3)

*If not used above.

Nursing – Registered Nurse

This program prepares students to meet the standards of the California Board of Registered Nursing. The program is approved by the California Board of Registered Nursing and accredited by the Accreditation Commission of Education in Nursing, Inc. Upon completion of the program, graduates receive an Associate in Science degree and are eligible to take the National Council Licensure Examination (NCLEX) to become a Registered Nurse. Students are encouraged to follow a transfer curriculum course of study that will enable transfer to BSN programs.

In order to pursue this LVN-to-ADN Career Ladder Program, a student must have a valid California LVN license, IV Certification, and one year of experience in direct patient care within the past two years.

Students seeking admission to the Nursing program MUST meet the following criteria:

- A cumulative grade point average of 2.7 for all college coursework;
- An overall grade point average of 2.7 for the Human Anatomy, Human Physiology, and Microbiology prerequisite courses, taken in the last 5 years, with no

grade less than C for each course, and no more than one repetition/withdrawal in the group of courses;

- College-level English composition class (*minimum 3 semester units*) with a grade no less than C;
- Be in good standing at Santa Monica College (not on academic or lack-of-progress probation);
- Meet the minimum physical qualifications & essential functions (*more information at smc.edu/nursing*);
- Must have negative criminal background check;
- Must take and achieve the required score on an Admission Assessment; **and**
- Must have a valid Social Security Number or a valid Individual Tax Identification Number.

Please visit the Nursing website (smc.edu/nursing) for additional application and admission information.

Programs Offered:

- Transfer Preparation
- Nursing Associate Degree (ADN)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

NURSING, ASSOCIATE DEGREE (ADN)

Program Learning Outcomes: Students who complete the Nursing program will use theoretical concepts of leadership and management to administer and design plans of care that integrate knowledge and skills pertinent to the role of manager of care of a group of patients and members of the health care team. Graduates will also utilize delegation, priority-setting skills, and knowledge of legal-ethical issues and health care delivery systems to design and coordinate a plan of nursing care for a group of patients.

Prerequisite Courses; MUST be completed PRIOR to applying for admission to the Nursing program: (16 units)

ENGL 1, Reading and Composition 1 (3)

ANATMY 1, General Human Anatomy (4)

(prerequisite: ENGL 1 **or** equivalent)

PHYS 3, Human Physiology (4) (prerequisites:

ANATMY 1 **and** CHEM 10 **or** 19, **or** eligibility for CHEM 11)

MCRBIO 1, Fundamentals of Microbiology (5)

(prerequisites: CHEM 10 **or** 19, **or** eligibility for CHEM 11, **and** PHYS 3 **or** BIOL 3 **or** 21)

The Anatomy, Microbiology, and Physiology courses listed above must be completed no more than 5 years prior to application to the Nursing program.

Once the above prerequisites are completed, students may meet with the Nursing counselors to apply for admission into the Nursing program.

Required Courses; enrollment in the courses below (except NURSNG 17) is limited to students already admitted to the Nursing program: (40 units)

- NURSNG 10, Nursing Skills (2)
- NURSNG 10L, Nursing Skills Laboratory (2)
- NURSNG 15, Nursing Fundamentals (2)
- NURSNG 15L, Nursing Fundamentals Laboratory (2)
- NURSNG 16, Physical Assessment (1)
- NURSNG 17, Pharmacological Aspects of Nursing (3)
- NURSNG 20, Introduction to Medical-Surgical Nursing (2)
- NURSNG 20L, Introduction to Medical-Surgical Nursing Laboratory (2)
- NURSNG 25, Psychiatric-Mental Health Nursing 1 (1.5)
- NURSNG 25L, Psychiatric-Mental Health Nursing Laboratory 1 (1.5)
- NURSNG 28, Community-Based Nursing Practice (1)
- NURSNG 30, Intermediate Medical-Surgical Nursing (2.5)
- NURSNG 30L, Intermediate Medical-Surgical Nursing Laboratory 2 (2.5)
- NURSNG 35, Advanced Medical-Surgical Nursing 2 (2.5)
- NURSNG 35L, Advanced Medical-Surgical Nursing Laboratory 2 (2.5)
- NURSNG 36, Calculations in Drugs and Solutions (1)
- NURSNG 40, Nursing of Children (1.5)
- NURSNG 40L, Nursing of Children Laboratory 1 (1.5)
- NURSNG 45, Women's Health Care 1 (1.5)
- NURSNG 45L, Women's Health Care Laboratory 1 (1.5)
- NURSNG 50, Professional Role Transition (1)
- NURSNG 50L, Professional Role Transition Laboratory (2)

NOTE: NURSNG 17 and 36 may be taken PRIOR to being admitted to the Nursing program.

Required Humanities: (3 units)

The Humanities courses listed in the Global Citizenship Graduation Requirement area double count as a Humanities/Global Citizenship course.

Required Supporting Discipline Courses: (9 units)
COM ST 11, Elements of Public Speaking (3) *(may apply if completed Summer 2013 or later)*

or

COM ST 35, Interpersonal Communication (3)

PSYCH 19, Lifespan Human Development (3)
SOCIOL 1, Introduction (3)

Required Social Science Course; select 1 of the following courses: (3 units)

- ECON 15, Economic History of the US (3) *(same as HIST 15)*
- ENVRN 14, US Environmental History (3) *(same as HIST 14)*
- HIST 10, Ethnicity and American Culture (3)
- HIST 11, History of the United States Through Reconstruction (3)
- HIST 12, History of the United States Since Reconstruction (3)

HIST 14, US Environmental History (3) *(same as ENVRN 14)*

HIST 15, Economic History of the United States (3) *(same as ECON 15)*

HIST 45, United States Cultural History Honors Colloquium (3)

HIST 46, United States Cultural History Seminar (3)
POL SC 1, National and California Government (3)

NOTE: HIST 10 or HIST 14 highly recommended as they also satisfy SMC's Global Citizenship Graduation Requirement.

General Education Rationality Requirement; select 1 option from the following:

OPTION 1: (3 units minimum)

MATH 2, 3, 4, 7, 8, 10 *(formerly same as CS 10)*, 11, 13, 15, 18, 20, 21, 26, 28, 29, 32, 41, 49, 50, 54

OPTION 2: (3 units minimum)

Students who enrolled at Santa Monica College Fall 2007 or later OR who enrolled prior to Fall 2007 but have NOT maintained continuous enrollment* must: Successfully pass the Math Proficiency Test OR complete the Santa Monica College math assessment and place into MATH 18, 20, 32, or higher, AND complete one of the following courses: ACCTG 1, 2; COM ST 21, 31; any 3-unit Computer Science course (except CS 88C or 90C); HIST 47; PHILOS 7, 9; PSYCH 7; SOCIOL 4

*Continuous enrollment is defined as enrollment in each Fall and Spring semester until graduation.

Global Citizenship Graduation Requirement:

While any 3 units designated to satisfy SMC's Global Citizenship Graduation Requirement may be used, it is HIGHLY RECOMMENDED that students select one of the courses below, as it would also satisfy another required general education area:

Humanities: AHIS 6, 11, 72; COM ST 14; DANCE 2; ENGL 9, 10, 49; ENVRN 20; FILM 7; LING 1; MUSIC 33, 36, 37; PHILOS 20; PORTGS 1
Social Science: ENVRN 14; HIST 10, 14

LVN TO ADN, CAREER LADDER CURRICULUM OPTION – (FOR LVNS ONLY)

Prerequisite Courses; MUST be completed PRIOR to applying for admission to the Nursing program: (18 units)

ENGL 1, Reading and Composition 1 (3)

ANATMY 1, General Human Anatomy (4)
(prerequisite: ENGL 1 or equivalent)

PHYS 3, Human Physiology (4) *(prerequisites: ANATMY 1 and CHEM 10 or 19 or eligibility for CHEM 11)*

MCRBIO 1, Fundamentals of Microbiology (5)
(prerequisites: CHEM 10 or 19 or eligibility for CHEM 11, and PHYS 3 or BIOL 3 or 21)

NURSNG 19, Orientation to Advanced Placement – ADN program (2)

The Anatomy, Microbiology, and Physiology courses listed above must be completed no more than 5 years prior to application to the Nursing program. Additional requirements include Vocational License and at least 2 years of nursing core experience.

Once the above prerequisites are completed, students may meet with the Nursing counselors to apply for admission into the Nursing program.

Required Courses: enrollment in the courses below (except NURSNG 17) is limited to students already admitted to the Nursing program: (40 units)

- NURSNG 16, Physical Assessment (1)**
- NURSNG 17, Pharmacological Aspects of Nursing (3)
- NURSNG 25, Psychiatric Mental Health Nursing (1.5)
- NURSNG 25L, Psychiatric Mental Health Nursing Laboratory (1.5)
- NURSNG 28, Community-Based Nursing Practice (1)**
- NURSNG 30, Intermediate Medical-Surgical Nursing (2.5)
- NURSNG 30L, Intermediate Medical-Surgical Nursing Laboratory (2.5)
- NURSNG 35, Advanced Medical-Surgical Nursing 2 (2.5)
- NURSNG 35L, Advanced Medical-Surgical Nursing Laboratory 2 (2.5)
- NURSNG 40, Nursing of Children (1.5)
- NURSNG 40L, Nursing of Children Laboratory 1 (1.5)
- NURSNG 45, Women's Health Care 1 (1.5)
- NURSNG 45L, Women's Health Care Laboratory 1 (1.5)
- NURSNG 50, Professional Role Transition (1)
- NURSNG 50L, Professional Role Transition Laboratory (2)

NOTE: NURSNG 17 is a prerequisite for NURSNG 30/30L.

Required Supporting Discipline Courses: (9 units)

COM ST 11, Elements of Public Speaking (3) *(may apply if completed Summer 2013 or later)*

or

COM ST 35, Interpersonal Communication (3)

PSYCH 19, Lifespan Human Development (3)

SOCIOL 1, Introduction (3)

Required Social Science Course; select 1 of the following courses: (3 units)

ECON 15, Economic History of the US (3) *(same as History 15)*

ENVRN 14, US Environmental History (3) *(same as HIST 14)*

HIST 10, Ethnicity and American Culture (3)

HIST 11, History of the United States Through Reconstruction (3)

HIST 12, History of the United States Since Reconstruction (3)

HIST 14, US Environmental History (3) *(same as ENVRN 14)*

HIST 15, Economic History of the United States (3) *(same as ECON 15)*

POL SC 1, National and California Government (3)

NOTE: HIST 10 or HIST 14 highly recommended as they also satisfy SMC's Global Citizenship Graduation Requirement.

General Education Rationality Requirement; select 1 option from the following:

OPTION 1: (3 units minimum)

MATH 2, 3, 4, 7, 8, 10 *(formerly same as CS 10)*, 11, 13, 15, 18, 20, 21, 26, 28, 29, 32, 41, 49, 50, 54

OPTION 2: (3 units minimum)

Students who enrolled at Santa Monica College Fall 2007 or later OR who enrolled prior to Fall 2007 but have NOT maintained continuous enrollment* must: Successfully pass the Math Proficiency Test OR complete the Santa Monica College math assessment and place into MATH 18, 20, 32, or

higher, AND complete one of the following courses: ACCTG 1, 2; COM ST 21, COM ST 31; any 3-unit Computer Science course (except CS 88C or 90C); HIST 47; PHILOS 7, 9; PSYCH 7; SOCIOL 4

**Continuous enrollment is defined as enrollment in each Fall and Spring semester until graduation.*

Global Citizenship Graduation Requirement:

While any 3 units designated to satisfy SMC's Global Citizenship Graduation Requirement may be used, it is HIGHLY RECOMMENDED that students select one of the courses below, as it would also satisfy another required general education area:

Humanities: AHIS 6, 11, 72; COM ST 14; DANCE 2; ENGL 9, 10, 49; ENVRN 20; FILM 7; LING 1; MUSIC 33, 36, 37; PHILOS 20; PORTGS 1

Social Science: ENVRN 14; HIST 10, 14

CURRICULUM 30-UNIT OPTION – NO ASSOCIATE DEGREE; OPTION OPEN TO LVNS ONLY

It is possible for an LVN to become eligible to take the RN license exam without having earned the Associate degree.

Requirements are:

- Meeting admission requirements for the Nursing program; minimum physical qualifications; completion of all required courses listed below; **and**
- Licensure in California as a vocational nurse in good standing with the Board of Vocational Nursing and Psychiatric Technician and at least one year of direct nursing experience within the past two years, preferably in an acute care setting.

Persons interested in this curriculum option are advised that:

1. There are out-of-California licensure limitations;
2. There may be employment limitations; **and**
3. No degree is granted.

Pre-Preparation:

CHEM 10

or

eligibility for CHEM 11

Prerequisite Courses (must be completed with a grade of C or higher): 11 units

MCRBIO 1, Introduction to Microbiology (5)

(prerequisites: CHEM 10 or 19, or eligibility for CHEM 11, and PHYS 3 or BIOL 3 or 21)

NURSNG 19, Orientation for Advanced Placement in ADN Program (2)

PHYS 3, Human Physiology (4) *(prerequisites: ANATMY 1 and CHEM 10 or 19, or eligibility for CHEM 11)*

NOTE: Nursing Theory courses have a corresponding Clinical (laboratory) component that must be taken concurrently.

LEVEL 3: Required Nursing Courses (must be completed with a grade of C or higher): (10 units)

NURSNG 16, Physical Assessment (1)

NURSNG 25, Psychiatric Mental Health Nursing (1.5)

NURSNG 25L, Psychiatric Mental Health Nursing Laboratory (1.5)

NURSNG 28, Community Based Nursing (1)

NURSNG 35, Advanced Medical/Surgical Nursing (2.5)
 NURSNG 35L, Advanced Medical/Surgical Nursing
 (2.5)

NOTE: NURSNG 16, NURSNG 25L, **and** NURSNG 28 must be taken concurrently with NURSNG 25.

LEVEL 4: Required Nursing Courses (must be completed with a grade of C or higher): (9 units)

NURSNG 40, Nursing of Children (1.5)
 NURSNG 40L, Nursing of Children Laboratory (1.5)
 NURSNG 45, Women's Health (1.5)
 NURSNG 45L, Women's Health Laboratory (1.5)
 NURSNG 50, Professional Role Transition (1)
 NURSNG 50L, Professional Role Transition Laboratory (2)

Global Citizenship Requirement

Students who entered Santa Monica College prior to Fall 1998 are exempt from this requirement only if continuous enrollment has been maintained. (*Continuous enrollment is defined as enrolling in each Fall and Spring semester until graduation.*)

ASSOCIATE DEGREE for RN with No College Credit

A Registered Nurse, who has trained in a hospital where no college credit is granted for such training and who holds a current California Registered Nurse license, may receive 30 units of credit in Nursing toward an Associate degree at Santa Monica College. A Petition for Graduation can be made when at least 30 units, including all graduation requirements, have been completed or are in the process of being completed.

Nutrition and Dietetics

A program that prepares individuals to integrate and apply the principles of the food and nutrition sciences, human behavior, and the biomedical sciences to design and manage effective nutrition programs, and utilize food for human growth in a variety of settings including health care organizations, food service operations, business and industry (product development, marketing, consulting), education and research, health promotion, and private practice counseling. Careers include: Nutritionist, Nutrition Educator, Weight Loss Counselor, Diet Technician, Food Services Manager, Patient Services Manager, Dietician, Pediatric Dietician, Nutrition Researcher, Sports and Cardiac Rehabilitation Dietician, Nutrition Consultant, Diabetes Educator, and many others.

The Associate degree track may be completed in two years and consists of a core of liberal arts, nutrition and science courses. The support courses in the curriculum pattern allow the student to explore special interests that are related to their personal/professional goals/interests.

Programs Offered:

- Transfer Preparation
- Nutrition and Dietetics Associate Degree for Transfer
Students may satisfy the requirements of this degree with approved courses (which may be fewer units) taken at other California Community Colleges. The courses listed below are SMC courses. If completed entirely at SMC, the Area of Emphasis requires 27 units.

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

University of California

SMC offers the **Nutrition and Dietetics Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Nutrition and Dietetics AS-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/ladt-search/search.shtml

- Chico: Nutrition and Food Sciences – Food and Nutrition Communication, BS
- Chico: Nutrition and Food Sciences – General Dietetics, BS
- Chico: Nutrition and Food Sciences – Nutrition Management, BS
- Long Beach: Dietetics and Food Administration – Nutrition and Dietetics, BS
- Sacramento: Family and Consumer Sciences – Nutrition and Food, BS
- San Jose: Humanities – Liberal Arts, BA
- San Jose: Nutritional Science – Nutritional Science, BS
- Stanislaus: Kinesiology – Exercise Science, BA

NUTRITION AND DIETETICS, ASSOCIATE DEGREE FOR TRANSFER

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T) involves the understanding of nutrient metabolism and the relationship to optimal health including prevention of degenerative diseases. The course of study provides an integrated curriculum of nutrition coursework along with a solid background in the human body, chemical function and metabolism of nutrients, and the sociological implications of food and behavior. Throughout the degree students will acquire and develop knowledge and skills that will provide a solid background in nutrition so that students can make informed decisions on their personal health.

Upon completion of the Associate in Science in Nutrition and Dietetics for Transfer (AS-T), students will have a strong academic foundation in the field and be prepared

for upper-division baccalaureate study. Completion of the degree indicates that the student will have satisfied the lower-division requirements for transfer into a Nutrition and Dietetics program for many campuses in the California State University system.

Program Learning Outcomes: Upon completion of the program, students will demonstrate a comprehensive knowledge of the relationship of nutrients and lifestyle factors and the associated risk of degenerative diseases. Students will demonstrate knowledge of physiological processes such as digestion, absorption, transport and metabolism of nutrients. Students will also be able to recognize and separate scientifically supported information from misinformation, and identify ways in which social factors influence food related choices, practices and beliefs.

Required Core Courses:

- NUTR 1, Introduction to Nutrition Science (3)
- CHEM 11, General Chemistry I (5)
- MCRBIO 1, Fundamentals of Microbiology (5)
- PSYCH 1, General Psychology (3)

LIST A: Select any two (2) courses from the list below (8 units minimum):

- ANATMY 1, Human Anatomy (4)
- CHEM 21, Organic Chemistry I (5)
- MATH 54, Elementary Statistics (4)

LIST B (minimum of 3 units): Any course from List A not used above or one of the following:

- NUTR 3, Introduction to the Dietetics Profession (1)
- NUTR 7, Food and Culture in America (3)
- NUTR 8, Principles of Food with Lab (3)
- ACCTG 2, Corporate Financial and Managerial Accounting (5)
- ANTHRO 2, Cultural Anthropology (3)
- BIOL 3, Fundamentals of Biology (4)
- BIOL 21, Cell Biology and Evolution (4)
- BIOL 22, Genetics and Molecular Biology (4)
- BIOL 23, Organismal and Environmental Biology (5)
- BUS 5, Business Law and the Legal Environment (3)
- BUS 6, Advanced Business Law (3) (same as ACCTG 26)
- CHEM 10, Introductory General Chemistry (5)
- CHEM 12, General Chemistry II (5)
- CHEM 22, Organic Chemistry II (4)
- CHEM 24, Organic Chemistry II Laboratory (2)
- CHEM 31, Biochemistry I (5)
- COM ST 11, Elements of Public Speaking (3)
- COM ST 21, Argumentation (3)
- CIS 4, Business Information Systems with Applications (3)
- ECON 1, Principles of Microeconomics (3)
- ECON 2, Principles of Macroeconomics (3)
- ENGL 1, Reading and Composition 1 (3)
- ENGL 2, Critical Analysis and Intermediate Composition (3)
- ENGL 31, Advanced Composition (3)
- HEALTH 10, Fundamentals of Healthful Living (3)
- HIST 47, The Practice of History (3)
- JOURN 1, The News (3)
- MATH 2, Precalculus (5)
- MATH 7, Calculus 1 (5)
- MATH 8, Calculus 2 (5)
- MATH 28, Calculus 1 for Business and Social Science (5)

- MEDIA 1, Survey of Mass Media Communications (3)
- PHYSICS 6, General Physics 1 with Lab (4)
- PHYSICS 7, General Physics 2 with Lab (4)
- PHYSICS 8, Calculus-based General Physics 1 with Lab (4)
- PHYSICS 9, Calculus-based General Physics 2 with Lab (4)
- POL SC 1, National and California Government (3)
- PSYCH 19, Lifespan Human Development (3)
- SOCIOL 1, Introduction to Sociology (3)
- SOCIOL 1s, Introduction to Sociology – Service Learning (3)

Office Technology

Office workers are responsible for a variety of administrative and clerical duties necessary to run and maintain organizations efficiently. They use a variety of software, produce correspondence, maintain databases, manage projects, as well as organize meetings, manage records, and schedule appointments. Office workers find employment in a variety of settings, such as corporations, government agencies, schools, and hospitals. Some related job titles include office assistant, administrative assistant, executive assistant, and data entry/clerical.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- General Office Associate Degree
- Legal Administrative Assistant Associate Degree
- Medical Administrative Assistant Associate Degree
- Medical Coding and Billing Specialist Associate Degree
- General Office Certificate of Achievement (27 units)
- Legal Administrative Assistant Certificate of Achievement (27 units)
- Medical Administrative Assistant Certificate of Achievement (33 units)
- Medical Coding and Billing Specialist Certificate of Achievement (36 units)
- Clerical/Data Entry Department Certificate (12 units)
- Electronic Medical Records Clerk Department Certificate (9 units)
- Hospital Inpatient Coder Department Certificate (9 units)
- Medical Billing/Coding Department Certificate (15 units)
- Medical Records Clerk/Receptionist Department Certificate (15 units)
- Medical Transcription Department Certificate (15 units)
- Word Processing Department Certificate (12 units)

GENERAL OFFICE, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

This program provides training in common skills used in the business office: keyboarding, computer applications, English, accounting, and business communications. General office workers obtain employment in many environments: corporate settings, government facilities, schools, and hospitals. Related job titles include administrative assistant,

executive assistant, executive secretary, office assistant, and secretary. After gaining some work experience or specialized skills, many workers transfer to jobs with higher pay or greater advancement potential.

Program Learning Outcomes: Using skills in Microsoft Office software, keyboarding, and English language principles, the student will create and revise commonly used business documents. Given transaction data, the student will perform basic bookkeeping/accounting tasks, such as classifying, recording, and preparing financial documents.

Required Courses: (24 units)

ACCTG 1, Introduction to Financial Accounting (5)

or

ACCTG 21, Business Bookkeeping (3)

BUS 32, Business Communication (3)

CIS 1, Computer Concepts with Applications (3)

CIS 4, Business Information Systems with Applications (3)

CIS 30, Microsoft Excel (3)

CIS 37, Microsoft Word (3)

CIS 39, MS Outlook – Comprehensive Course (3)

OFTECH 5, English Skills for the Office (3)

Select 3 units from the following:

OFTECH 1, Keyboarding I (3)

OFTECH 1A, Keyboarding 1A (1)

OFTECH 1B, Keyboarding 1B (1)

OFTECH 1C, Keyboarding 1C (1)

OFTECH 9, Keyboarding Improvement (1)

OFTECH 10, Skill Building on the Keyboard (3)

Additional general education and graduation requirements for the Associate degree from Santa Monica College are listed in the Academics section of this catalog, as well as online (go to smc.edu/articulation).

LEGAL ADMINISTRATIVE ASSISTANT, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Legal administrative assistants perform the administrative tasks in a law office, such as answering the telephone, managing files, preparing law office correspondence and legal documents, and maintaining the calendar. Legal administrative assistants are in great demand. Qualified legal administrative assistants who have strong skills can find lucrative opportunities with law firms and corporate legal departments, government agencies, and a variety of business and industries — such as banks, insurance companies, investment firms, and real estate companies. This program prepares students to pursue employment as a legal administrative assistant. Training is provided in legal terminology, law office procedures, legal research, computer technology, machine transcription and document preparation, keyboarding, and written and verbal communication.

Program Learning Outcomes: Upon completion of the program, using transcription equipment, word processing software, and legal terminology skills, students will prepare legal documents that represent correct format, spelling, punctuation, capitalization, and number usage. Applying knowledge of law office procedures, students will demonstrate skills in workplace telecommunications,

office and court calendaring, billing procedures, and filing systems.

Required Courses: (24 units)

BUS 5, Business Law and the Legal Environment (3)

CIS 4, Business Information Systems with Applications (3)

CIS 30, Microsoft Excel (3) (*formerly CIS 31*)

CIS 37, Microsoft Word (3)

CIS 39, MS Outlook – Comprehensive Course (3)

OFTECH 5, English Skills for the Office (3)

OFTECH 30, Legal Office Procedures (3)

OFTECH 31, Legal Terms and Transcription (3)

Select 3 units from the following:

OFTECH 1, Keyboarding I (3)

OFTECH 1A, Keyboarding 1A (1)

OFTECH 1B, Keyboarding 1B (1)

OFTECH 1C, Keyboarding 1C (1)

OFTECH 9, Keyboarding Improvement (1)

OFTECH 10, Skill Building on the Keyboard (3)

MEDICAL ADMINISTRATIVE ASSISTANT, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

This program prepares students for employment in a medical environment. Students develop skills and knowledge to perform a variety of duties to aid in the efficient workflow and operations of a medical related facility. Coursework indicates medical terminology, computer technology, medical law and ethics, and “front office” tasks — such as patient scheduling, reception, coding and billing, transcription, and records management.

Program Learning Outcomes: Upon completion of the program, using knowledge of front office tasks, students will use appropriate procedures related to reception, telephone communications, and records management. Applying computer technology skills, medical terminology skills, and language skills, students will prepare correspondence, produce medical transcripts, and perform tasks related to patient coding and billing.

Required Courses: (30 units)

CIS 4, Business Information Systems with Applications (3)

CIS 37, Microsoft Word (3)

CIS 39, MS Outlook – Comprehensive Course (3)

OFTECH 5, English Skills for the Office (3)

OFTECH 20, Medical Vocabulary (3)

OFTECH 21, Medical Terms and Transcription 1 (3)

OFTECH 23, Medical Billing (Medisoft) (3)

OFTECH 24, Medical Coding/Billing 1 (3)

OFTECH 27, Medical Office Procedures (3)

OFTECH 28, Electronic Health Records (3)

Select 3 units from the following:

OFTECH 1, Keyboarding I (3)

OFTECH 1A, Keyboarding 1A (1)

OFTECH 1B, Keyboarding 1B (1)

OFTECH 1C, Keyboarding 1C (1)

OFTECH 9, Keyboarding Improvement (1)

OFTECH 10, Skill Building on the Keyboard (3)

MEDICAL CODING AND BILLING SPECIALIST, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Medical Coding and Billing Specialists are primarily responsible for submitting documentation of patient medical care to insurance companies. Duties include billing insurance companies and patients; collecting payment for services; and documenting tests, treatments, and procedures, using correct medical terminology — referred to as “coding.” This program provides the training that is required to perform these duties.

Program Learning Outcomes: Upon completion of this program, applying knowledge of diagnostic and procedural codes, students will review patients’ medical records and assign appropriate codes for reimbursement and billing purposes. Using a computerized patient billing system, students will enter patient and case information, process transactions and claims, create statements, and produce reports.

Required Courses: (33 units)

ANATMY 1, General Human Anatomy (4)

or

BIOL 2, Human Biology (3)

CIS 4, Business Information Systems with Applications (3)

CIS 30, Microsoft Excel (3) (*formerly CIS 31*)

OFTECH 5, English Skills for the Office (3)

OFTECH 20, Medical Vocabulary (3)

OFTECH 23, Medical Billing (Medisoft) (3)

OFTECH 24, Medical Coding/Billing 1 (3)

OFTECH 25, Medical Coding/Billing 2 (3)

OFTECH 26, Medical Coding/Billing 3 (3)

OFTECH 27, Medical Office Procedures (3)

OFTECH 28, Electronic Health Records (3)

Select 3 units from the following:

OFTECH 1, Keyboarding I (3)

OFTECH 1A, Keyboarding 1A (1)

OFTECH 1B, Keyboarding 1B (1)

OFTECH 1C, Keyboarding 1C (1)

OFTECH 9, Keyboarding Improvement (1)

OFTECH 10, Skill Building on the Keyboard (3)

CLERICAL/DATA ENTRY, DEPARTMENT CERTIFICATE

Organizations need to process a rapidly growing amount of information. Data entry workers help ensure the efficient handling of information processing. Duties include inputting data into computers and performing editing, proofreading, and clerical tasks. This certificate program provides training in the essential skills to carry out these tasks. Job opportunities exist in part-time, full-time, and work-at-home positions. Data entry workers are known by various job titles, such as data entry clerk, data entry operator, data entry specialist, and clerk. Data entry jobs frequently serve as stepping stones to higher paying positions with increased responsibilities.

Program Learning Outcomes: Using source materials, the student will use Microsoft Word, Excel, Access, and PowerPoint software to input data. Applying knowledge of grammar, punctuation, vocabulary, and spelling principles, the student will proofread and correct data input.

Required Courses: (9 units)

CIS 4, Business Information Systems with Applications (3)

CIS 37, Microsoft Word (3)

OFTECH 5, English Skills for the Office (3)

Select 3 units from the following:

OFTECH 1, Keyboarding I (3)

OFTECH 1A, Keyboarding 1A (1)

OFTECH 1B, Keyboarding 1B (1)

OFTECH 1C, Keyboarding 1C (1)

OFTECH 9, Keyboarding Improvement (1)

OFTECH 10, Skill Building on the Keyboard (3)

ELECTRONIC MEDICAL RECORDS CLERK, DEPARTMENT CERTIFICATE

This program prepares students for entry-level clerical positions involving Electronic Health Records. Training is provided in computer basics, medical terminology, and electronic records technology. EHR clerks work in hospitals, physicians’ offices, and nursing homes — typically under the direction of a manager or supervisor.

Program Learning Outcomes: Upon completion of the program, students will be able to capture and store patient data into an EHR (Electronic Health Records) system. Using EHR software, students will document patient encounters and process physician orders in an electronic system.

Required Courses: (9 units)

CIS 4, Business Information Systems with Applications (3)

OFTECH 20, Medical Vocabulary (3)

OFTECH 28, Electronic Health Records (3)

HOSPITAL INPATIENT CODER, DEPARTMENT CERTIFICATE

Coding is the transformation of healthcare diagnoses, procedures, medical services, and equipment into universal medical alphanumeric codes for statistical reporting and reimbursement purposes. A Hospital Inpatient Coder reviews and codes information for patients who stay at least overnight in a hospital facility. This certificate program provides training in medical terminology, inpatient coding, and billing, reimbursement, and collection procedures.

Program Learning Outcomes: Upon completion of the program, students will demonstrate knowledge of medical terminology and correctly code inpatient facility services and diagnoses. Using knowledge of billing principles, students will demonstrate an understanding of billing, reimbursement, and collection procedures.

Required Courses: (9 units)

OFTECH 20, Medical Vocabulary (3)

OFTECH 25, Medical Coding/Billing 2 (3)

OFTECH 26, Medical Coding/Billing 3 (3)

MEDICAL BILLING/CODING, DEPARTMENT CERTIFICATE

Medical Billing/Coding workers are primarily responsible for submitting documentation of patient medical care to insurance companies. Duties include billing insurance companies and patients; collecting payment for services; and documenting tests, treatments and procedures, using correct medical terminology – referred to as “coding”.

The Medical Billing/Coding Certificate program provides the training that is required to perform these duties. Employment outlook for medical billing/coding workers is expected to grow much faster than the average for all occupations through 2012, due to rapid growth in the number of medical tests, treatments, and procedures that will be increasing scrutinized by third-party payers, regulators, courts, and consumers.

Program Learning Outcomes: Applying knowledge of diagnostic and procedural codes, the student will review patients' medical records and assign appropriate codes for reimbursement and billing purposes. Using a computerized patient billing system, the student will enter patient and case information, process transactions and claims, create statements, and produce reports.

Required Courses: (12 units)

- CIS 30, Microsoft Excel (3) (formerly CIS 31)
- OFTECH 20, Medical Vocabulary (3)
- OFTECH 23, Medical Billing (Medisoft) (3)
- OFTECH 24, Medical Coding/Billing 1 (3)

Select 3 units from the following:

- OFTECH 1, Keyboarding I (3)
- OFTECH 1A, Keyboarding 1A (1)
- OFTECH 1B, Keyboarding 1B (1)
- OFTECH 1C, Keyboarding 1C (1)
- OFTECH 9, Keyboarding Improvement (1)
- OFTECH 10, Skill Building on the Keyboard (3)

MEDICAL RECORDS CLERK/RECEPTIONIST, DEPARTMENT CERTIFICATE

Employment of medical records technicians is expected to increase by 18 percent through 2016 — faster than the average for all occupations, according to the U.S. Department of Labor. The Medical Records Clerk/Receptionist certificate is ideal for students who want to learn the basic skills needed to become employed in a healthcare setting. This certificate prepares students for entry-level records management/receptionists' positions in hospitals, nursing homes, physician offices, and service agencies. Coursework includes training in storing, retrieving, and maintaining medical records; front desk procedures; medical vocabulary; computer technology; keyboarding; and written and verbal communications. With experience and additional education, medical records clerk/receptionists may advance to senior clerks, registered health information technicians (RHITs) registered health information administrators (RHIA), consultants, and educators.

Program Learning Outcomes: Upon completion of this program, using knowledge of recordkeeping systems, students will organize and retrieve patient records using alphabetic, numeric, and color-coded systems. Applying knowledge of front desk procedures, students will demonstrate knowledge of appropriate telephone skills and face-to-face communications.

Required Courses: (12 units)

- CIS 4, Business Information Systems with Applications (3)
- OFTECH 5, English Skills for the Office (3)
- OFTECH 20, Medical Vocabulary (3)
- OFTECH 27, Medical Office Procedures (3)

Select 3 units from the following:

- OFTECH 1, Keyboarding I (3)
- OFTECH 1A, Keyboarding 1A (1)
- OFTECH 1B, Keyboarding 1B (1)
- OFTECH 1C, Keyboarding 1C (1)
- OFTECH 9, Keyboarding Improvement (1)
- OFTECH 10, Skill Building on the Keyboard (3)

MEDICAL TRANSCRIPTION, DEPARTMENT CERTIFICATE

This program prepares students to listen to dictated recordings made by physicians and other healthcare professionals and transcribe them into medical reports, correspondences, and other administrative material. Medical transcription is a particularly flexible career that easily lends itself to many different work styles. Medical transcriptionists work in hospitals, physicians' offices, transcription service offices, clinics, laboratories, and at home. According to the US Department of Labor, employment of medical transcriptionists is projected to grow 21-35 percent through 2012. With experience, medical transcriptionists can advance to supervisory positions, home-based work, editing, or consulting.

Program Learning Outcomes: Using transcription equipment and word processing software, the student will prepare medical documents that represent correct format, spelling, capitalization, number usage, punctuation, abbreviations, symbols, and metric measurement rules. In the preparation of medical documents, the student will use a variety of reference resources.

Required Courses: (12 units)

- OFTECH 5, English Skills for the Office (3)
- OFTECH 20, Medical Vocabulary (3)
- OFTECH 21, Medical Terms & Transcription I (3)
- OFTECH 22, Medical Terms & Transcription II (3)

Select 3 units of the following:

- OFTECH 1, Keyboarding I (3)
- OFTECH 1A, Keyboarding 1A (1)
- OFTECH 1B, Keyboarding 1B (1)
- OFTECH 1C, Keyboarding 1C (1)
- OFTECH 9, Keyboarding Improvement (1)
- OFTECH 10, Skill Building on the Keyboard (3)

WORD PROCESSING, DEPARTMENT CERTIFICATE

This program prepares students for both entry-level and advanced word processing positions in a variety of office settings. It also serves as a foundation for specialization in fields such as legal transcription and desktop publishing. The Word Processing Certificate includes courses in rapid and accurate keyboarding, document editing and formatting, advanced word processing techniques, English skills for the office, and an overview of the Microsoft Office Suite.

Program Learning Outcomes: Upon completion of this program, when given a hard copy of a document with complex formatting, the student will be able to recreate the document in Microsoft Word and will create mail merge documents and templates.

Required Courses: (9 units)

- CIS 4, Business Information Systems with Applications (3)

CIS 37, Microsoft Word (3)
OFTECH 5, English Skills for the Office (3)

Select 3 units from the following:

OFTECH 1, Keyboarding I (3)
OFTECH 1A, Keyboarding 1A (1)
OFTECH 1B, Keyboarding 1B (1)
OFTECH 1C, Keyboarding 1C (1)
OFTECH 9, Keyboarding Improvement (1)
OFTECH 10, Skill Building on the Keyboard (3)

Persian

See *Modern Languages*

Philosophy

Programs in philosophy are designed to develop the reasoning skills needed to understand and evaluate beliefs about man, society, reality, knowledge, truth, values, etc. Skills in thinking and problem solving, research, writing, criticism, and analysis are emphasized. Philosophy programs provide a background for fields such as law, theology, journalism, business, or public service. Some students earn graduate degrees to become college philosophy teachers.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Related Program: Liberal Arts -- Arts and Humanities

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system** has a transfer pathway for any UC campus that offers Philosophy. For more information, visit pathwaysguide.universityofcalifornia.edu

Photography

The Photography program teaches the dynamics of visual communication to illustrate ideas, record events, articulate stories, express moods, sell products, and interpret a person's character. Courses stress technical knowledge, proficiency in camera control, digital and analog capture methods, artificial light control, and image manipulation. This program prepares students for careers in photogra-

phy-related genres, including advertising photography, food photography, architectural photography, editorial photography, portrait photography, fashion photography, and photojournalism.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

High school students in the 11th and 12th grades may begin this program concurrently with their high school program if approved by the high school principal.

Information regarding the Photography program is available on the Photography Department's website (www2.smc.edu/photo) and by calling the Photography Department at 310-434-3547.

Programs Offered:

- Transfer Preparation
- Photography Associate Degree
- Photography Certificate of Achievement (40 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

PHOTOGRAPHY, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Students completing the program in Photography will analyze and assess photographic situations and solve technical problems and creative challenges as they arise in a photographic production. Students will design and construct photographic images that can communicate ideas or narratives effectively for commercial, editorial, or fine art purposes. Graduates will also have the knowledge and skills pertinent to the successful operation of a freelance photography business and sound business practices in the trade.

Required Courses: (32 units)

- PHOTO 1, Introduction to Photography (3)
PHOTO 2, Basic Photography Lab Techniques (2)
PHOTO 5, Digital Asset Management, Modification, & Output (3)
PHOTO 30, Techniques of Lighting: Introduction (4)

PHOTO 31, Introduction: Photographing People 1 (4)
or
PHOTO 32, Photographing People: Advanced (4)

PHOTO 33, Techniques of Lighting: Products (4)
PHOTO 39, Beginning Photoshop (3)
PHOTO 43, Portfolio Development (3)

PHOTO 52, History of Photography (3) (*same as AHIS 52*)

PHOTO 60, Business Practices in Photography (3)

AREA A: Restricted Photography Electives; Select any one of the following courses listed below: (5 units) [Please note that no more than 2 units of Independent Study (PHOTO 88A-88C) and no more than 3 units of Internship (PHOTO 90A-90D) may be used to satisfy completion of this area.]

GR DES 31, Graphic Design Studio (2)

PHOTO 7, Advanced Portfolio Development (3)

PHOTO 13, News Photography (3)

PHOTO 14, Photography for Publication (3)

PHOTO 21, Alternative Printing (3)

PHOTO 29, Video Production for Still Photographers (3)

PHOTO 31, Introduction: Photographing People 1 (4)

PHOTO 32, Photographing People: Advanced (4)

PHOTO 37, Advanced Black and White Printing (3)

PHOTO 40, Digital Capture (3)

PHOTO 42, Advanced Photoshop (3)

PHOTO 50, Basic Color Printing (3)

PHOTO 64, Community Documentary Photography (4)

PHOTO 88A, Independent Studies in Photography (1)

PHOTO 88B, Independent Studies in Photography (2)

PHOTO 88C, Independent Studies in Photography (3)

PHOTO 90A, Internship in Photography (1)

PHOTO 90B, Internship in Photography (2)

PHOTO 90C, Internship in Photography (3)

PHOTO 90D, Internship in Photography (4)

AREA B: Restricted Electives; Select 1 course from the following: (3 units)

ART 10A, Design I (3)

ART 10C, Computer Design (3)

ART 20A, Drawing I (3)

BUS 22, Introduction to Advertising (3)

BUS 34, Introduction to Social Media Marketing (3)

BUS 63, Principles of Entrepreneurship (3)

Photovoltaic Installation (Solar Energy Installation)

Solar energy systems are being installed in growing numbers at businesses and private residences. This growing demand is expected to increase the need for many new jobs and business opportunities in solar photovoltaic and thermal system design and installation, energy efficiency auditing, and Zero Net Energy (ZNE) homes and buildings. The program is designed to provide students with both the hands-on skills and the broader contextual knowledge necessary to gain successful employment in the burgeoning alternative energy industry.

Programs Offered:

- Solar Photovoltaic and Energy Efficiency Associate Degree
- Solar Photovoltaic Installation Certificate of Achievement (14 units)
- Basic Solar Photovoltaic Installation Department Certificate (8 units)
- Energy Efficiency Specialist Department Certificate (13 units)

SOLAR PHOTOVOLTAIC AND ENERGY EFFICIENCY, ASSOCIATE DEGREE

Solar energy systems are being installed in growing numbers at businesses and private residences. This growing demand is expected to increase the need for many new jobs and business opportunities in solar photovoltaic and thermal system design and installation, energy efficiency auditing, and Zero Net Energy (ZNE) homes and buildings. The program provides students with both the hands-on skills and the broader contextual knowledge necessary to gain successful employment in the burgeoning alternative energy industry. Students who complete this program will be qualified for jobs in a variety of different capacities including: PV installation, repairs, maintenance, solar design, and energy efficient auditing. With additional education and/or experience, students could pursue employment with one of the many public institutions working on alternative energy policy and ZNE homes, and/or could potentially start their own energy audit, energy management, solar design, or solar installation company.

This program prepares students to take the NABCEP (North American Board of Certified Energy Practitioners) Associate Exam and — with adequate job experience — the NABCEP Professional exam.

Program Learning Outcomes: Upon completion of the program, students will demonstrate proficiency in basic terminology (solar radiation, solar irradiance, solar insolation, solar constant, solstice, equinox, solar altitude angle, solar azimuth angle, solar incidence angle) Students will be able to explain how a solar cell converts sunlight into electrical power and distinguish between PV cells, modules, panels and arrays. Students will be able to identify the five key electrical output parameters for PV modules using manufacturers' literature (Voc, Isc, Vmp, Imp, and Pmp) and label points on a current-voltage (I-V) curve, as well as identify and apply regulatory codes when conducting energy assessments and/or site visits. Students will be able to recognize and identify local and state energy efficiency requirements/incentives for new and existing buildings; conduct Energy Utilization Analysis; and recognize mechanics and engineering of energy systems, including HVAC, lighting, and renewable energy systems.

Required Photovoltaic Courses:

PV 11, Introduction to Solar Photovoltaics (3)

PV 12, Photovoltaic Installation Exam Preparation (2)

Required Energy Efficiency Courses:

ENERGY 1, Introduction to Energy Efficiency (3)

ENERGY 2, Energy Efficiency 2: Residential Building Science (3)

ENERGY 90A, Energy Efficiency Internship (1)

Required Computer-Based Courses:

INTARC 35, 2D Digital Drafting (3)

or

GEOG 20, Introduction to Geographic Information Systems (3) (*same as GIS 20*)

Required Support Courses: Select 1 of the following: (3 units)

BIOL 9, Environmental Biology (3)

BUS 63, Principles of Entrepreneurship (3)

ENVRN 7, Introduction to Environmental Studies (3) (*same as GEOG 7*)

- ENVRN 20, Environmental Ethics (3) (*same as PHILOS 20*)
 ENVRN 22, Environmental Politics and Policies (3) (*same as POL SC 22*)
 ENVRN 40, Environmental Psychology (3) (*same as PSYCH 40*)

SOLAR PHOTOVOLTAIC INSTALLATION, CERTIFICATE OF ACHIEVEMENT

Solar energy systems are being installed in large numbers by utilities, businesses, and homes. This growing demand is increasing the need for many skilled workers in photovoltaic (PV) installation, PV design, and solar sales. This program provides students with both the hands-on skills and the broader contextual knowledge necessary to gain successful employment in the solar industry. Students who complete this program will be qualified for jobs in a variety of different capacities including: PV installation, repairs, maintenance, mid-to-upper level solar design, and sales. With additional education and/or experience, students could pursue employment with one of the many public institutions working on alternative energy policy and zero net energy (ZNE) homes, and/or could potentially start their own solar installation company.

This program prepares students to take the NABCEP (North American Board of Certified Energy Practitioners) Associate Exam and—with adequate job experience—the NABCEP Professional exam.

Program Learning Outcomes: Students will demonstrate proficiency in basic terminology (solar radiation, solar irradiance, solar insolation, solar constant, solstice, equinox, solar altitude angle, solar azimuth angle, solar incidence angle, semiconductor, circuit, inverter). Students will be able to explain how a solar cell converts sunlight into electrical power and how power is conditioned for use in buildings. Students will be able to identify the five key electrical output parameters for the I-V curve. Student will have achieved a mastery of basic computer-based systems that either assist in design of solar production equipment (computer aided design or CAD) or aid in geographic analysis of renewable resources (geographic information systems or GIS). Students will be able to apply appropriate regulatory codes when conducting energy efficiency requirements for new and existing buildings. Student will be proficient in conducting an energy utilization index (EUI) analysis. Students will be able to recognize the physical properties that consume or produce energy in residential and commercial energy systems, including HVAC, lighting, and renewable energy systems.

Required Photovoltaic Courses:

- PV 11, Introduction to Solar Photovoltaics (3)
 PV 12, Photovoltaic Installation Exam Preparation (2)

Required Energy Efficiency Courses:

- ENERGY 1, Introduction to Energy Efficiency (3)

Required Computer-Based Courses:

- INTARC 35, 2D Digital Drafting (3)

or

- GEOG 20, Introduction to Geographic Information Systems (3) (*same as GIS 20*)

Required Support Courses: Select 1 of the following (3 units):

- BIOL 9, Environmental Biology (3)

- BUS 63, Principles of Entrepreneurship (3)
 ENVRN 7, Introduction to Environmental Studies (3) (*same as GEOG 7*)
 ENVRN 20, Environmental Ethics (3) (*same as PHILOS 20*)
 ENVRN 22, Environmental Politics and Policies (3) (*same as POL SC 22*)
 ENVRN 40, Environmental Psychology (3) (*same as PSYCH 40*)

BASIC SOLAR PHOTOVOLTAIC INSTALLATION, DEPARTMENT CERTIFICATE

This program offers courses in basic solar photovoltaic systems and an introduction to energy and energy efficiency principles. The required courses are intended to prepare students for entry-level positions in the home energy services sector, including site analysis of solar electric systems, basic energy auditing, and calculation of energy use intensities. Students will also be prepared to help property owners reduce and manage power demand and energy consumption. The program provides a foundation for further study and preparation for the North American Board of Certified Energy Practitioner (NABCEP) Associate exam.

This program, along with further study, would prepare students for careers related to Zero Net Energy (ZNE) homes, green buildings, or for design- and/or sales-related positions in and related to the energy efficiency, renewable energy, and the solar power industry.

Program Learning Outcomes: Students will demonstrate proficiency in basic terminology (solar radiation, solar irradiance, solar insolation, solar constant, solstice, equinox, solar altitude angle, solar azimuth angle, semiconductor, circuit, inverter). Students will be able to explain how a solar cell converts sunlight into electrical power and how power is conditioned for use in buildings. Student will be proficient in conducting an energy utilization index (EUI) analysis. Students will be able to identify the salient concerns related to safe and efficient energy use in the built environment and the issues that threaten the ecological conditions on the planet related to energy production and use.

Required Photovoltaic Courses

- PV 11, Introduction to Solar Photovoltaics (3)
 PV 12, Photovoltaic Installation Exam Preparation (2)
 ENERGY 1, Introduction to Energy Efficiency (3)

ENERGY EFFICIENCY SPECIALIST, DEPARTMENT CERTIFICATE

This program is designed to provide formal training for individuals who seek entry into the Energy Services field. Students will learn to conduct energy audits in residential buildings; establish energy efficiency benchmarks for commercial buildings and data center physical infrastructures; and help utilize resources more efficiently by reducing lighting, and lowering heating and cooling energy consumption in building systems and processes. Students will learn to provide analyses and recommendations that will help suggest alternative energy sources, as well as unconventional lighting, cooling, space heating, and resource management procedures.

Program Learning Outcomes: Students will be able to identify the salient concerns related to safe and efficient

energy use in the built environment and the issues that threaten the ecological conditions on the planet related to energy production and use. Students will be able to explain how a solar cell converts sunlight into electrical power and how power is conditioned for use in buildings. Students will be proficient in conducting an energy utilization index (EUI) analysis. Students will be able to recognize the physical properties that consume or produce energy in residential and commercial energy systems, including HVAC, lighting, and renewable energy systems. Students will be able to apply appropriate regulatory codes when conducting energy efficiency requirements for new and existing buildings, and compliance with new Zero Net Energy (ZNE) code requirements.

Core Courses:

- ENERGY 1, Introduction to Energy Efficiency (3)
- ENERGY 2, Energy Efficiency 2: Residential Building Science (3)
- ENERGY 3, Commercial Building Science (4)
- PV 11, Introduction to Solar Photovoltaics (3)

Physics

Physicists study matter, energy, and the relationships between them and devise methods to apply laws and theories of physics to industry, medicine, and other fields. Some career titles include acoustic physicist, astrophysicist, engineer, satellite data analyst, and medical or nuclear physicist.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Related Program: Science: General Science

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system has a transfer pathway** for any UC campus that offers Physics. For more information, visit pathwaysguide.universityofcalifornia.edu

Physiology

See *Biological Sciences*

Political Science

Political scientists study the origin, development, and operation of political systems and public policy. Some study the actions of foreign governments, political parties, or revolutionary movements. Others analyze topics such as public opinion, decision making, or the uses of ideology and public policy. They may conduct surveys, analyze election results, review Supreme Court decisions, or actions of legislative bodies, or analyze the content of media articles. Some do academic research, write, or teach. Others work on applied problems for federal agencies, legislative committees, or individual office holders/seekers. Some career titles include lawyer, politician or director of polling and survey projects.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Political Science Associate Degree for Transfer
- Related Program: Public Policy

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system has a transfer pathway** for any UC campus that offers Political Science. For more information, visit pathwaysguide.universityofcalifornia.edu

SMC offers the **Political Science Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Political Science AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/adts-search/search.shtml

- Bakersfield: Political Science – Global Politics, BA
- Bakersfield: Political Science – Power and Justice, BA
- Bakersfield: Political Science – Pre-Law, BA
- Channel Islands: Political Science – General, BA

- Chico: International Relations – International Relations – General, BA
- Chico: Political Science – General Political Science, BA
- Chico: Political Science – Legal Studies, BA
- Chico: Public Administration – Public Administration – General, BA
- Dominguez Hills: Political Science – General, BA
- East Bay: Political Science – No Option, BA
- East Bay: Political Science – Pre-Law, BA
- East Bay: Political Science – Public Affairs and Administration, BA
- Fresno: Political Science, BA
- Fullerton: Political Science – General, BA
- Humboldt: Political Science – General, BA
- Long Beach: American Studies – American Studies – General, BA
- Long Beach: Asian American Studies – Asian American Studies – General, BA
- Long Beach: Political Science – General, BA
- Los Angeles: Political Science – General, BA
- Los Angeles: Political Science – Global Politics, BA
- Los Angeles: Political Science – Prelegal Studies, BA
- Los Angeles: Political Science – Public Administration, BA
- Maritime Academy: Global Studies and Maritime Affairs – Global Studies and Maritime Affairs – General, BA
- Monterey Bay: Social and Behavioral Sciences – Political Economy, BA
- Northridge: Political Science – Law and Society, BA
- Northridge: Political Science – Politics and Government, BA
- Northridge: Political Science – Public Policy and Management, BA
- Pomona: Political Science – General, BA
- Sacramento: Government – Government – General, BA
- San Bernardino: Political Science – General, BA
- San Diego: Political Science – General, BA
- San Francisco: Modern Jewish Studies – Modern Jewish Studies – General, BA
- San Francisco: Political Science – General, BA
- San Jose: Humanities – Liberal Arts, BA
- San Jose: Political Science, BA
- San Luis Obispo: Political Science – Individualized Course of Study, BA
- San Marcos: Political Science – General, BA
- San Marcos: Political Science – Global, BA
- Sonoma: Political Science – General, BA
- Stanislaus: Political Science – General, BA

POLITICAL SCIENCE, ASSOCIATE DEGREE FOR TRANSFER

The Associate in Arts in Political Science for Transfer (AA-T) introduces students to the major fields of study in Political Science. The program includes the study of American Politics (principles, institutions, and policies). Depending upon the student's chosen course of study, the program may also include Comparative Politics (institutional structures, processes, and political cultures), International Relations (structure and operation of the international system), and/or Political Philosophy (ideas about human nature, power, justice, and the state).

Upon completion of the Associate in Arts in Political Science for Transfer (AA-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Completion of the degree indicates that the student will have satisfied the lower-division requirements for transfer into political science or similar majors for many campuses in the California State University system.

Program Learning Outcomes: Upon completion of the program, students will demonstrate, through written and oral academic work, an understanding of the principles, structure, and processes of the American political system, as well as, depending on the student's area of focus, an understanding of the institutional structures and processes of other countries, the structure and operation of international relations, and philosophic ideas about human nature, power, justice, and the state.

Required Core Course: (3 units)

POL SC 1, National and California Government (3)

LIST A: Select 3 courses from the following: (9 units)

MATH 54, Elementary Statistics (4)

POL SC 2, Comparative Government and Politics (3)

POL SC 7, International Politics (3)

POL SC 51, Political Philosophy (3) (*same as PHILOS 51*)

LIST B: Select 2 courses from the following: (6 units)

Any course from List A not used above

ECON 1, Principles of Microeconomics (3)

ECON 2, Principles of Macroeconomics (3)

GEOG 2, Introduction to Human Geography (3)

GEOG 8, Introduction to Urban Studies (3) (*same as URBAN 8*)

GEOG 11, World Geography: Introduction to Global Studies (3) (*same as GLOBAL 11*)

ENGL 2, Critical Analysis and Intermediate Composition (3)

HIST 1, History of Western Civilization I (3)

HIST 2, History of Western Civilization II (3)

HIST 10, Ethnicity and American Culture (3)

HIST 11, The United States Through Reconstruction (3)

HIST 12, The United States Since Reconstruction (3)

HIST 13, The United States Since 1945

HIST 14, US Environmental History (3) (*same as ENVRN 14*)

PHILOS 1, Knowledge and Reality (3)

PHILOS 3, Early Philosophers (3)

PHILOS 4, Modern Philosophers (3)

PHILOS 7, Logic and Critical Thinking (3)

PHILOS 20, Environmental Ethics (3) (*same as ENVRN 20*)

PHILOS 48, Non Violence Resistance (3)

POL SC 3, Introduction to Politics: Justice, Power and Agency (3)

POL SC 5, International Political Economy:

Introduction to Global Studies (3) (*same as ECON 5 and GLOBAL 5*)

POL SC 8, The Modern Far East (3)

POL SC 10, Government Internships (3)

POL SC 11, World Affairs and the United States (3)

POL SC 14, Middle East Government and Politics (3)

POL SC 21, Race, Ethnicity, and the Politics of Difference (3)

- POL SC 22, Environmental Politics and Policies (3)
(*same as ENVRN 22*)
- POL SC 23, Sex, Gender, and Power (3)
- POL SC 31, Introduction to Public Policy (3)
- POL SC 47, International Politics Seminar (3)
- POL SC 52, Contemporary Political Thought (3) (*same as PHILOS 52*)
- SOCIOL 1, Introduction to Sociology (3)
- SOCIOL 1s, Introduction to Sociology – Service Learning (3)
- SOCIOL 2, Social Problems (3)
- SOCIOL 2s, Social Problems – Service Learning (3)
- SOCIOL 30, African Americans in Contemporary Society (3)
- SOCIOL 31, Latinas/os in Contemporary Society (3)
- SOCIOL 32, Asian Americans in Contemporary Society (3)
- SOCIOL 33, Sociology of Sex and Gender (3)
- SOCIOL 34, Racial and Ethnic Relations in American Society (3)
- or any course articulated as fulfilling CSU GE Area D

Portuguese

See *Modern Languages*

Psychology

The Associate in Arts in Psychology for Transfer (AA-T) involves the scientific study of human and animal behavior and mental processes, including cognition, emotion, sensation, perception, and interaction. The course of study provides students the opportunity to acquire skills in research, information gathering, analytical and critical thinking, problem solving, and written and verbal communication.

Program Learning Outcomes: Upon completion of the Associate in Arts in Psychology for Transfer (AA-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Completion of the degree indicates that the study will have satisfied the lower-division requirements for transfer into a Psychology program for many campuses in the California State University system.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Psychology Associate Degree for Transfer
Students may satisfy the requirements of this degree with approved courses (which may be fewer units) taken at other California Community Colleges. The courses below are SMC courses. If completed entirely at SMC, the Area of Emphasis requires 19 units.

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation

agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org. A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

SMC offers the Psychology Associate Degree for Transfer. Students completing this degree are eligible for priority transfer admission consideration in the majors at the California State University campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree.

NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Psychology AA-T.

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/ad-search/search.shtml.

- Bakersfield: Psychology – General, BA
- Channel Islands: Psychology – General, BA
- Chico: Psychology – General, BA
- Dominguez Hills: Psychology – General, BA
- East Bay: Psychology – General, BA
- East Bay: Psychology – Industrial/Organizational Psychology, BS
- Fresno: Psychology – General, BA
- Fresno: Psychology – Pre-M.B.A., BA
- Fresno: Psychology – Pre-Psychology, BA
- Fullerton: Human Services – General, BS
- Fullerton: Psychology – General, BA
- Humboldt: Psychology – General, BA
- Long Beach: Psychology – General, BA
- Los Angeles: Psychology – General, BA
- Monterey Bay: Psychology – General, BA
- Northridge: Psychology – General, BA
- Pomona: Psychology – General, BA
- Sacramento: Psychology – General, BA
- San Bernardino: Psychology – Pre-Biological Psychology, BA
- San Bernardino: Psychology – Pre-Biological Psychology, BA
- San Diego: Psychology – Applied Arts (Imperial Valley Campus), BA
- San Diego: Psychology – Applied Arts (San Diego Campus), BA
- San Francisco: Psychology – General, BA
- San Jose: Behavioral Science, BA
- San Jose: Humanities – Liberal Arts, BA
- San Jose: Psychology, BA
- San Marcos: Psychological Science – General, BA
- Sonoma: Psychology – General, BA
- Stanislaus: Psychology – Developmental Psychology, BA
- Stanislaus: Psychology – Experimental Psychology, BA
- Stanislaus: Psychology – General, BA

PSYCHOLOGY, ASSOCIATE DEGREE FOR TRANSFER

Program Learning Outcomes: Upon completion of the program, students will be able to identify, apply, and critique the use of the scientific method as it relates to the study of the human mind. Students should be capable of describing domains of psychology such as the relationship between the brain and behavior; patterns of thinking, memory, and learning; developmental and social influences; as well as atypical psychology and pathology.

Required Core Courses: (9 units minimum)

- MATH 54, Elementary Statistics (4)
- PSYCH 1, General Psychology (3)
- PSYCH 7, Research Methods in Psychology (3)

LIST A: Select at least one of the following courses: (3 units minimum)

- BIOL 3, Fundamentals of Biology (4)
- PSYCH 2, Physiological Psychology (3)

LIST B: Select at least one of the following courses (3 units minimum)

Any List A course not already used or any of the following courses.

- ANATMY 2, Advanced Human Anatomy (4)
- CHEM 11, General Chemistry I (5)
- CHEM 12, General Chemistry II (5)
- CHEM 19, Fundamentals of General, Organic, and Biological Chemistry (5)
- CS 50, C Programming (3)
- CS 52, C++ Programming (3)
- ENGL 1, Reading and Composition 1 (3)
- ENGL 2, Critical Analysis and Intermediate Composition (3)
- HIST 47, The Practice of History (3)
- MATH 2, Precalculus (5)
- MATH 7, Calculus 1 (5)
- MATH 8, Calculus 2 (5)
- MATH 21, Finite Mathematics (3)
- MATH 28, Calculus 1 for Business and Social Science (5)
- PHILOS 7, Logic and Critical Thinking (3)
- PHILOS 9, Symbolic Logic (3)
- PHYSICS 6, General Physics 1 with Lab (4)
- PHYSICS 7, General Physics 2 with Lab (4)
- PHYSICS 8, Calculus-based General Physics 1 with Lab (4)
- PHYSICS 9, Calculus-based General Physics 2 with Lab (4)
- PHYSICS 21, Mechanics with Lab (5)
- PHYSICS 22, Electricity and Magnetism with Lab (5)
- PHYSICS 23, Fluids, Waves, Thermodynamics, Optics with Lab (5)
- PSYCH 11, Child Growth and Development (3)
- PSYCH 13, Social Psychology (3)
- PSYCH 19, Lifespan Human Development (3)
- SOCIOL 1, Introduction to Sociology (3)
- SOCIOL 1s, Introduction to Sociology – Service Learning (3)

LIST C: Select at least one of the following courses (3 units minimum)

- Any List A or B course not already used or any of the following courses.
- PSYCH 3, Personality: Dynamics and Development (3)
- PSYCH 5, The Psychology of Communication (3)
- PSYCH 6, Marriage Family and Human Intimacy (3)

- PSYCH 14, Abnormal Psychology (3)
- PSYCH 25, Human Sexuality (3)
- PSYCH 35, Seminar on Contemporary Psychological Issues (3)
- PSYCH 40, Environmental Psychology (3) (same as ENVRN 40)

Public Policy

The Public Policy program consists of an interdisciplinary and multidisciplinary course of study that presents an overview of the development and implementation of important public policies affecting the lives of local, regional, and state residents. This program is designed to equip students with the skills and tools to successfully engage in civic debate and to critically evaluate and analyze the development and implementation of substantive public policies, while providing an opportunity to work with governmental and non-governmental organizations and agencies in a direct way.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Public Policy Associate Degree
- Public Policy Certificate of Achievement (19 units)
- Related Program: Political Science

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

PUBLIC POLICY, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will demonstrate coherent and comprehensive analyses of the public policies affecting the lives of local, regional, and state citizens, and will be equipped with the skills and resources necessary for participation in civic life, including critical evaluation and analysis of policy options, policy development, and effective implementation strategies.

Required Core Courses: (7 units)

- POL SC 1, National and California Government (3)
- or**
- POL SC 3, Introduction to Politics: Justice, Power and Agency (3)
-

POL SC 31, Introduction to Public Policy (3)
POL SC 95, Public Policy – Experiential Learning (1)

Critical Thinking and Communication:

AREA A: English Language and Critical Thinking (3 units)

BUS 32, Business Communications (3)
ENGL 1, Reading and Composition 1 (3)
ENGL 2, Critical Analysis and Intermediate Composition (3)
ENGL 31, Advanced Composition (3)
HIST 47, The Practice of History (3)
PHILOS 7, Logic and Critical Thinking (3)

AREA B: Oral Communication/Media Literacy: (3 units)

COM ST 11, Elements of Public Speaking (3)
COM ST 37, Intercultural Communication (3)
JOURN 1, The News (3)
MEDIA 1, Survey of Mass Media (3)
MEDIA 2, Reading Media: Acquiring Media Literacy Skills (3)
MEDIA 10, Media, Gender, and Race (3)
WGS 30, Women, Gender and Sexuality in Popular Culture (3)

SPECIALIZATION AREA: Students are required to take 2 courses *WITHIN* one of the following five (5) tracks: (6 units)

ARTS AND CULTURAL AFFAIRS TRACK

AHIS 3, Western Art History III (3)
AHIS 11, Art Appreciation: Introduction to Global Visual Culture (3)
AHIS 72, American Art History (3)
DANCE 2, Dance in American Culture (3)
DANCE 5, Dance History (3)
DANCE 9, Dance Productions (3)
MUSIC 30, Music History I (3)
MUSIC 33, Jazz in American Culture (3)
MUSIC 36, History of Rock Music (3)
MUSIC 37, Music in American Culture (3)
TH ART 2, Introduction to the Theatre (3)
TH ART 5, History of World Theatre (3)

EDUCATION TRACK

EDUC 1, Career Choices in Education (3)
EDUC 2, The Early Childhood Through 12th Grade Teaching Experience (3)
ECE 11, Child, Family and Community (3)
ECE 19, Teaching in a Diverse Society (3)
ECE 45, Introduction to Children with Special Needs (3)
ECE 64, Health, Safety and Nutrition for Young Children (3)
LING 1, Introduction to Linguistics (3)
PSYCH 11, Child Growth and Development (3)

ENVIRONMENTAL TRACK

BIOL 9, Environmental Biology (3)
ENVRN 40, Environmental Psychology (3) (*same as PSYCH 40*)
GEOG 7, Introduction to Environmental Studies (3) (*same as ENVRN 7*)
GEOG 14, Geography of California (3)
PHILOS 20, Environmental Ethics (3) (*same as ENVRN 20*)
POL SC 22, Environmental Politics and Policies (3) (*same as ENVRN 22*)

PUBLIC HEALTH TRACK

ECE 64, Health, Safety and Nutrition for Young Children (3)

HEALTH 10, Fundamentals of Healthful Living (3)
HEALTH 70, Integrative Health (3)
NURSNG 60, Multicultural Health and Healing Practices (3) (*same as HEALTH 60*)
NUTR 1, Introduction to Nutrition (3)
NUTR 7, Food and Culture in America (3)
PSYCH 8, Community Psychology (3)
PSYCH 13, Social Psychology (3)

URBAN/SOCIOECONOMIC TRACK

AD JUN 1, Introduction to Administration of Justice (3)
ECON 1, Principles of Microeconomics (3)
ECON 2, Principles of Macroeconomics (3)
ECON 6, Contemporary Economic Problems (3)
HIST 10, Ethnicity and American Culture (3)
POL SC 21, Race, Ethnicity, and the Politics of Difference (3)
POL SC 24, Introduction to Law (3)
PSYCH 8, Community Psychology (3)
PSYCH 13, Social Psychology (3)
URBAN 8, Introduction to Urban Studies (3) (*same as GEOG 8*)

SOCIO 1, Introduction to Sociology (3)

or

SOCIO 1s, Introduction to Sociology – Service Learning (3)

SOCIO 2, Social Problems (3)

or

SOCIO 2s, Social Problems – Service Learning (3)

SOCIO 30, African Americans in Contemporary Society (3)

SOCIO 31, Latinas/os in Contemporary Society (3)

SOCIO 32, Asian Americans in Contemporary Society (3)

SOCIO 34, Racial and Ethnic Relations in American Society (3)

Recycling and Resource Management

Recycling and Resource Management is among the largest and most rapidly growing industries in America. As more cities and businesses develop sustainability and zero waste policies, the need increases for personnel who can properly manage resource use and recycling. The Recycling and Resource Management curriculum emphasizes an interdisciplinary approach, exploring recycling and resource management from a variety of perspectives and in a variety of settings. Core curriculum will provide students with an in-depth study of waste diversion and resource management, emphasizing cultural, community, and business applications. Courses cover governmental and organizational policies, practices, and procedures in waste and resource management, including best management practices and successful community and educational zero waste programs.

Programs Offered:

- Recycling and Resource Management Associate Degree

Recycling and Zero Waste Courses	Santa Monica College	Irvine Valley College	Golden West College
Introduction to Recycling and Resource Management	RRM 1	ENV 180	ENVS-G 141
Culture and Zero Waste	RRM 2	ENV 185	ENVS-G 142
Resource Management and Zero Waste for Communities	RRM 3	ENV 190	ENVS-G 144
Resource Management and Zero Waste for Business	RRM 4	ENV 195	ENVS-G 143

- Recycling and Resource Management Certificate of Achievement (18 units)
- Recycling and Zero Waste Department Certificate (12 units)

RECYCLING AND RESOURCE MANAGEMENT, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

Program Learning Outcomes: Upon completion of the program, students will demonstrate the ability to plan, implement, and oversee waste management programs aimed at implementing Zero Waste principles and sustainability practices for individuals, businesses, and the communities. Additionally, students will demonstrate the ability to write proposals and policy using correct terminology, principles, and California legislation and regulations regarding waste, recycling, sustainable resource management, and Zero Waste systems.

Required courses: (12 units)

- RRM 1, Introduction to Recycling and Resource Management (3)
- RRM 2, Culture and Zero Waste (3)
- RRM 3, Resource Management and Zero Waste for Communities (3)
- RRM 4, Resource Management and Zero Waste for Business (3)

Select courses from the following: (6 units)

- BIOL 9, Environmental Biology (3)
-
- COUNS 16, Job Success Skills (1) **and** COUNS 90B, General Internship (2)
- or**
- COUNS 90C, General Internship (3) *(with permission of Earth Science department chair)*
-
- GEOG 7, Introduction to Environmental Geography (3) *(same as ENVRN 7)*
- PHILOS 20, Environmental Ethics (3) *(same as ENVRN 20)*
- POL SC 22, Environmental Politics (3) *(same as ENVRN 22)*
- PSYCH 40, Environmental Psychology (3) *(same as ENVRN 40)*

RECYCLING AND ZERO WASTE, DEPARTMENT CERTIFICATE

Program Learning Outcomes: Upon completion of the program, students will demonstrate the ability to plan, implement, and oversee waste management programs aimed at implementing Zero Waste principles and sustainability practices for individuals, businesses, and the communities.

Additionally, students will demonstrate the ability to write proposals and policy using correct terminology, principles, and California legislation and regulations regarding waste, recycling, sustainable resource management, and Zero Waste systems.

Required Courses: (12 units)

- RRM 1, Introduction to Recycling and Resource Management (3)
- RRM 2, Culture and Zero Waste (3)
- RRM 3, Resource Management and Zero Waste for Communities (3)
- RRM 4, Resource Management and Zero Waste for Business (3)

Note: Golden West College and Irvine Valley College also offer a certificate in this area of study. The courses will be accepted at each institution in the manner shown on the Recycling and Zero Waste Courses chart above.

Respiratory Therapy

The program is a partnership between Santa Monica College (SMC) and East Los Angeles College (ELAC). Graduates earn an Associate degree in Respiratory Therapy. The program allows the graduate to take the Therapist Multiple-Choice Examination (TMC) and, by achieving a high cut score on the TMC, become eligible for the Clinical Simulation Exam (CSE); passing both exams awards the graduate the Registered Respiration Therapy (RRT) credential. **The RRT credential is required for licensure in the state of California.**

All of the first-year courses are offered on the SMC campus (except Respiratory Therapy 2 and 21, offered at the ELAC campus).

It is recommended that students who select Respiratory Therapy as their major make an appointment with the RT Faculty Advisor in the Santa Monica College Health Science Department. Applications for the Respiratory Therapy Program can be obtained online (go to smc.edu/respiratorytherapy) and from the Health Science Department at SMC's Bundy Campus. Additional program information and/or an appointment may be made with the Respiratory Therapy faculty by calling 310-434-3463.

Clinical training occurs in some of the most respected medical facilities in the United States (e.g., *UCLA Medical Center and USC University Medical Center*). **Applicants must have a negative criminal background check and pass a drug screening procedure to participate in any clinical courses. A typical sequence of courses is demonstrated below.**

Programs Offered:

- Respiratory Therapy Associate Degree

RESPIRATORY THERAPY, ASSOCIATE DEGREE

Program Learning Outcomes: Students who complete the Respiratory Therapy program will accurately initiate, conduct, and modify prescribed therapeutic procedures using clinical data. Graduates will participate in developing and evaluating respiratory care plans, and monitor and record patient response to the care, both in clinical settings and emergency situations.

Prerequisites for application to the program are (29 units minimum): ANATMY 1, PHYS 3, CHEM 10 *or* 19, MCRBIO 1, COM ST 11 *or* 35 *or* 37, ENGL 1, MATH 18 *or* 20, RT 1, PHYS 3 *and* MCRBIO 1 must be completed within 7 years at the time of admission into the RT program.

First Year (18 units)*FIRST SEMESTER (11 units)*

RESP TH 2, Fundamentals of Respiratory Therapy (4)
RES TH 60, Respiratory Physiology (4)

or

[ELAC] RESP TH 6, Respiratory Physiology (4)

PHYSICS 12, Introductory Physics (3)

or

[ELAC] RESP TH 21, Physics of Respiratory Care (3)

SECOND SEMESTER (7 units)

RESP TH 30, Adult Critical Care Monitor and Diagnostics (3)

or

[ELAC] RESP TH 30, Adult Critical Care Monitor and Diagnostics (3)

RESP TH 70, Pathophysiology (4)

or

[ELAC] RESP TH 7, Applied Medicine and Pathology (3) *and* [ELAC] RESP TH 23, Advanced Respiratory Pathophysiology (1)

Second Year (30 units)

All second year courses are East Los Angeles College courses and are offered only on the ELAC campus EXCEPT RESP TH 29, which is offered at SMC.

SUMMER SESSION (4 units)

RESP TH 15, Introduction to Clinical Experience (4)

THIRD SEMESTER (11 units)

RESP TH 3, Application of Respiratory Therapy and Clinical Experience I (5)

RESP TH 4, Application of Respiratory Therapy and Clinical Experience II (5)

RESP TH 27, Physician Clinical Rounds, Critical Thinking Lab 1 (1)

WINTER SESSION (4 units)

RESP TH 29, Neonatal/Pediatric RT (4)

or

[ELAC] RESP TH 29, Neonatal and Pediatric Respiratory Therapy (4)

FOURTH SEMESTER (11 units)

RESP TH 5, Application of Respiratory Therapy and Clinical Experience III (5)

RESP TH 11, Application of Respiratory Therapy and Clinical Experience IV (5)

RESP TH 28, Physician Clinical Rounds, Critical Thinking Lab 2 (1)

* *Students' general education requirements may vary according to math and English placement results. General education courses may be completed before or during the Respiratory Therapy Program. It is highly recommended that the student consult the appropriate college's catalog or college counselor for specific general education program planning.*

Russian

See *Modern Languages*

Science**Programs Offered:**

- Transfer Preparation
- General Science Associate Degree

TRANSFER PREPARATION

Students planning to transfer to a four-year college or university in a particular field of science should complete the lower-division major requirements and the general education pattern for the specific transfer institution's program. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edularticulation.

GENERAL SCIENCE, ASSOCIATE DEGREE

Program Learning Outcomes: Upon completion of the program, students will demonstrate through oral, written, and laboratory-based academic work knowledge of the physical and life sciences, and be prepared to pursue further study in a science major at the baccalaureate level. Students will be proficient in the scientific method, research, analytical, and communication skills necessary to present a critical analysis of scientific phenomena and devise solutions.

Select 20 units from the following three groups as specified below:

GROUP A – Mathematics (a minimum of 1 course of at least 3 units required):

MATH – 2, 3, 4, 7, 8, 10 (formerly same as CS 10), 11, 13, 15, 18, 20, 21, 26, 28, 29, 32, 41, 49, 50, 54

GROUP B – Physical Science (a minimum of 1 course of at least 3 units required):

ASTRON – 1, 2, 3, 4, 5, 7, 8, 9, 10

CHEM – all courses

GEOG 1, 3, 5, 35F, 35S

GEOL – all courses

PHYSICS – all courses

GROUP C – Life Sciences (minimum of 3 units)

At least 1 course required:

ANATMY – all courses
 ANTHRO 1, 5, 8, 9, 10
 BIOL – all courses (*formerly except BIOL 81*)
 BOTANY – all courses
 MCRBIO – all courses
 NUTR 1, 4 (*satisfies area if completed prior to Winter 2017*), formerly 6
 PHYS – all courses
 PSYCH 2
 ZOOL 5

Sociology

The Associate in Arts in Sociology for Transfer (AA-T) involves the scientific study of society, social institutions, and social relationships. The course of study provides students the opportunity to acquire skills in research, information gathering, analytical and critical thinking, problem solving, and written and verbal communication. Upon completion of the Associate in Arts in Sociology for Transfer (AA-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Completion of the degree indicates that the student will have satisfied the lower-division requirements for transfer into a Sociology program for many campuses in the California State University system.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Sociology Associate Degree for Transfer
- Related Program: Liberal Arts -- Social and Behavior Science

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

The **University of California system has a transfer pathway** for any UC campus that offers Sociology. For more information, visit pathwaysguide.universityofcalifornia.edu

SMC offers the Sociology Associate Degree for Transfer. Students completing this degree are eligible for priority transfer admission consideration in the majors at the California State University campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete their baccalaureate degree.

NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Sociology AA-T.

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. Students should go to calstate.edu/transfer/ad-transfer/search/search.html for the most current list.

- Bakersfield: Sociology – Ethnic Studies, BA
- Bakersfield: Sociology – General, BA
- Bakersfield: Sociology – Human Services, BA
- Channel Islands: Sociology – Sociology – General, BA
- Chico: Sociology – Sociology – General, BA
- Dominguez Hills: Sociology – Sociology – General, BA
- East Bay: Sociology – Sociology – General, BA
- Fresno: Sociology – Sociology, BA
- Fullerton: Human Services – Human Services – General, BS
- Fullerton: Sociology – Health and Social Welfare, BA
- Fullerton: Sociology – Social Inequalities, BA
- Fullerton: Sociology – Sociology – General, BA
- Fullerton: Sociology – Sociology of Deviance and Crime, BA
- Humboldt: Sociology – Sociology – General, BA
- Long Beach: Asian American Studies – Asian American Studies – General, BA
- Long Beach: Sociology – Sociology – General, BA
- Los Angeles: Sociology – General, BA
- Los Angeles: Sociology – Inequalities and Diversity, BA
- Los Angeles: Sociology – Law and Society, BA
- Monterey Bay: Social and Behavioral Sciences – Sociology, BA
- Northridge: Criminology and Justice Studies – General, BA
- Northridge: Sociology – General, BA
- Pomona: Sociology – General Sociology, BA
- Sacramento: Sociology – General, BA
- San Bernardino: Sociology – General, BA
- San Bernardino: Sociology – Social Service Track, BA
- San Diego: Sociology – General, BA
- San Francisco: Criminal Justice Studies – General, BA
- San Francisco: Sociology – Sociology – General, BA
- San Jose: Behavioral Science – Behavioral Science, BA
- San Jose: Humanities – Liberal Arts, BA
- San Jose: Sociology – Community Change, BA
- San Jose: Sociology – Race and Ethnic Studies, BA
- San Jose: Sociology – Social Interaction, BA
- San Jose: Sociology – Sociology, BA
- San Jose: Sociology – Women, Gender and Sexuality Studies, BA
- San Marcos: Criminology and Justice Studies – General, BA
- San Marcos: Sociology – Aging and the Life Course, BA
- San Marcos: Sociology Children, Youth, and Families, BA
- San Marcos: Sociology – Critical Race Studies, BA
- San Marcos: Sociology – Health, Education, and Welfare, BA
- San Marcos: Sociology – Standard, BA
- Sonoma: Sociology – Sociology – General, BA
- Stanislaus: Sociology – Criminology and Society, BA
- Stanislaus: Sociology – General, BA

- Stanislaus: Sociology – Human Services, BA
- Stanislaus: Sociology – Social Justice, BA

ASSOCIATE DEGREE IN SOCIOLOGY FOR TRANSFER TO THE CSU

The Associate in Arts for Transfer (AA-T) is designed to facilitate transfer admission to a CSU in a similar major. Students considering transfer to a UC, private, or out-of-state school should consult a counselor regarding the transfer requirements of that institution.

Associate Degree for Transfer Requirements:

Completion of at least 60 CSU-transferable semester including:

- Completion of the Area of Emphasis with a grade of C or higher in each course or with a P if the course was taken on a Pass/No Pass basis, and the P is equal to a C or higher (Title 5 §55063)
- Completion of either CSU GE or IGETC; students transferring to CSU using IGETC must complete Area 1C (see smc.edu/articulation or visit the Transfer/Counseling Center)
- A minimum of 12 degree-applicable semester units completed at SMC
- A minimum overall GPA of 2.0 in all CSU-transferable units Note: while a minimum GPA of 2.0 is required for admission to a CSU, some majors/campuses may require a higher GPA. Please consult with a counselor for details.)

SOCIOLOGY, ASSOCIATE DEGREE FOR TRANSFER

Program Learning Outcomes: Upon completion of the program, students will demonstrate, through written and oral academic work, critical examination of the influence of social forces on groups and individuals, as well as the impact of groups and individuals on society. Students will be able to identify, apply, and critique the use of the scientific method as it relates to the study of society.

Required Introduction: (3 units)

SOCIOL 1, Introduction to Sociology (3)

or

SOCIOL 1s, Introduction to Sociology – Service Learning (3)

Required Core: (6 units) Select 2 of the following courses:

SOCIOL 2, Social Problems (3)

or

SOCIOL 2s, Social Problems – Service Learning (3)

SOCIOL 4, Sociological Analysis (3)

MATH 54, Elementary Statistics (4)

List A Electives: (6 units) Select 2 of the following courses: Any course not used above

SOCIOL 12, Sociology of the Family (3)

SOCIOL 33, Sociology of Sex and Gender (3)

SOCIOL 34, Racial and Ethnic Relations in American Society (3)

PSYCH 13, Social Psychology (3)

List B Electives: (3 units) Select 1 of the following courses:

Any course not used above

Any course which satisfies CSU GE Area D

BUS 5, Business Law and the Legal Environment (3)

BUS 6, Advanced Business Law (3) (*same as ACCTG 26*)

ENGL 2, Critical Analysis and Intermediate Composition (3)

HIST 47, The Practice of History (3)

PHILOS 7, Logic and Critical Thinking (3)

PHILOS 9, Symbolic Logic (3)

SOCIOL 30, African Americans in Contemporary Society (3)

SOCIOL 31, Latinas/os in Contemporary Society (3)

SOCIOL 32, Asian Americans in Contemporary Society (3)

Solar Photovoltaic Installation (Solar Energy Installation)

See *Photovoltaic Installation*

Spanish

Programs Offered:

- Transfer Preparation
- Spanish Associate Degree for Transfer

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

SMC offers the **Spanish Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Spanish AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/adt-search/search.shtml

- Bakersfield: Spanish – General, BA
- Channel Islands: Chicana/o Studies: Transborder Communities – Chicana/o Studies: Transborder Communities – General, BA
- Channel Islands: Spanish – General, BA

- Chico: Latin American Studies – Latin American Studies – General, BA
- Chico: Spanish – General, BA
- Dominguez Hills: Spanish – Linguistics, BA
- Dominguez Hills: Spanish – Literature, BA
- East Bay: Spanish – General, BA
- Fresno: Chicano Studies – Chicano Studies, BA
- Fresno: Latin American Studies – Latin American Studies – General, BA
- Fresno: Spanish, BA
- Fullerton: Spanish – General, BA
- Humboldt: Spanish – General, BA
- Long Beach: Chicano and Latino Studies – Chicano and Latino Studies – General, BA
- Long Beach: Comparative World Literature – Comparative World Literature – General, BA
- Long Beach: Linguistics – Linguistics – General, BA
- Long Beach: Spanish – General, BA
- Los Angeles: Latin American Studies – General, BA
- Monterey Bay: Spanish Language and Hispanic Cultures – Spanish Language and Hispanic Cultures – General, BA
- Northridge: Central American Studies – General, BA
- Northridge: Chicano and Chicana Studies – General, BA
- Northridge: Spanish – Hispanic Linguistics, BA
- Northridge: Spanish – Language and Culture, BA
- Northridge: Spanish – Literature, BA
- Pomona: Spanish – General, BA
- Sacramento: Ethnic Studies – Chicana/o Studies, BA
- Sacramento: Spanish – General, BA
- San Bernardino: Spanish – Business Track, BA
- San Bernardino: Spanish – Communication Studies Track, BA
- San Bernardino: Spanish – Hispanic Cultural Studies Track, BA
- San Diego: Spanish (Imperial Valley Campus), BA
- San Diego: Spanish (San Diego Campus), BA
- San Francisco: Comparative and World Literature – Comparative Literature – General, BA
- San Francisco: Latina/Latino Studies – Latina/Latino Studies – General, BA
- San Francisco: Spanish – General, BA
- San Jose: Humanities – Liberal Arts, BA
- San Jose: Spanish – Preparation for Teaching, BA
- San Jose: Spanish, BA
- San Marcos: Spanish – General, BA
- San Marcos: Spanish – Language and Culture, BA
- San Marcos: Spanish – Literature, BA
- San Marcos: Spanish for the Professions, BA
- Sonoma: Chicano and Latino Studies – Chicano and Latino Studies – General, BA
- Sonoma: Spanish – General, BA
- Stanislaus: Spanish – General, BA

SPANISH, ASSOCIATE DEGREE FOR TRANSFER

The Associate in Arts in Spanish for Transfer (AA-T) prepares students to interact with the Spanish-speaking world by providing them with a foundation in the language, history, arts, culture, and literatures of the different countries that comprise it. As students complete this program, they acquire knowledge and skills that are applicable to diverse areas of study in the liberal arts, as well as preparation for

various professions that provide services or products for Spanish-speakers.

Upon completion of the Associate in Arts in Spanish for Transfer (AA-T), students will have a strong academic foundation in the field and be prepared for upper-division baccalaureate study. Completion of the degree indicates that the student will have satisfied the lower-division requirements for transfer into Spanish or similar majors for many campuses in the California State University system.

Program Learning Outcomes: Upon completion of the program, students will demonstrate the ability to speak, understand, read, and write the Spanish language. As evidenced by written and oral communication, students will demonstrate a general understanding of the diverse cultures of Spanish-speaking countries, as well as Spanish and Latin American civilizations from ancient times to the modern era. In addition, students will demonstrate critical thinking abilities by examining issues that pertain to the diverse manifestations of Spanish language and culture throughout the world.

Required Core Courses: (15 units minimum)

SPAN 2, Elementary Spanish II (5)

or

SPAN 11, Spanish for Heritage Speakers I (5)

SPAN 3, Intermediate Spanish I (5)

or

SPAN 12, Spanish for Native Speakers 2 (5)

SPAN 4, Intermediate Spanish II (5)

If student places out of any of the above levels of Spanish, the following courses may be substituted: (up to 10 units)

Spanish Literature and Culture Advanced Placement (AP) Exam score of 3 or higher (5)

ANTHRO 2, Cultural Anthropology (3)

ANTHRO 7, Introduction to Linguistic Anthropology (3)

ANTHRO 14, Sex Gender and Culture (3)

ANTHRO 21, Peoples and Power In Latin America (3)

COM ST 35, Interpersonal Communication (3)

COM ST 37, Intercultural Communication (3)

ENGL 2, Critical Analysis and Intermediate Composition (3)

ENGL 31, Advanced Composition (3)

ENGL 53, Latino Literature in the United States (3)

ENGL 57, Latin-American Literature (3)

ENGL 58, Literature of Mexico (3)

GEOG 2, Introduction to Human Geography (3)

HIST 5, History of Latin America I (3)

HIST 6, History of Latin America II (3)

HIST 19, History of Mexico (3)

HIST 42, The Latina(o) Experience in the United States (3)

HIST 43, Mexican-American History (3)

HIST 47, The Practice of History (3)

FRENCH 1, Elementary French I (5)

FRENCH 2, Elementary French II (5)

FRENCH 3, Intermediate French I (5)

FRENCH 4, Intermediate French II (5)

ITAL 1, Elementary Italian I (5)

ITAL 2, Elementary Italian II (5)

ITAL 3, Intermediate Italian I (5)

MEDIA 46, Television Production (3)

PORTGS 1, Elementary Portuguese 1 (5)
 SOCIOL 1, Introduction to Sociology (3)
 SOCIOL 1s, Introduction to Sociology – Service Learning (3)
 SOCIOL 31, Latinas/os in Contemporary Society (3)
 SOCIOL 33, Sociology of Sex and Gender (3)
 SOCIOL 34, Racial and Ethnic Relations in American Society (3)
 SPAN 8, Conversational Spanish (2)
 SPAN 9, The Civilization of Spain (3)
 SPAN 20, Latin American Civilization (3)

Restricted Electives: Select 1 of the following courses if not used above: (3 units minimum)

Spanish Literature and Culture Advanced Placement (AP) Exam score of 3 or higher (5)
 COM ST 35, Interpersonal Communication (3)
 ENGL 2, Critical Analysis and Intermediate Composition (3)
 ENGL 31, Advanced Composition (3)
 ENGL 53, Latino Literature in the United States (3)
 ENGL 57, Latin-American Literature (3)
 ENGL 58, Literature of Mexico (3)
 HIST 5, History of Latin America 1 (3)
 HIST 6, History of Latin America 2 (3)
 HIST 19, History of Mexico (3)
 HIST 42, The Latina(o) Experience in the United States (3)
 HIST 43, Mexican-American History (3)
 HIST 47, The Practice of History (3)
 FRENCH 1, Elementary French I (5)
 FRENCH 2, Elementary French II (5)
 FRENCH 3, Intermediate French I (5)
 FRENCH 4, Intermediate French II (5)
 ITAL 1, Elementary Italian I (5)
 ITAL 2, Elementary Italian II (5)
 ITAL 3, Intermediate Italian I (5)
 MEDIA 46, Television Production (3)
 SPAN 8, Conversational Spanish (2)
 SPAN 9, The Civilization of Spain (3)
 SPAN 20, Latin American Civilization (3)

Studio Arts

See *Art*

Technical Theatre

See *Theatre Arts*

Theatre Arts

Theatre Arts can help prepare people for many career opportunities including work in the specific areas of theater production or performance as well as the related areas of advertising, television, film, recreation, education, and management. Theater managers manage theaters for stage productions or motion pictures. Related career titles include actor, director, costumer, script coach, stunt person, playwright, drama coach, set designer, business manager and instructor.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Theatre Arts Associate Degree for Transfer
- Technical Theatre Associate Degree
- Theatre Associate Degree
- Technical Theatre Certificate of Achievement (19 units)

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at assist.org.

A listing of private, nonprofit California colleges and universities can be found online at aiccu.edu. For articulation agreements between SMC and some of these institutions see smc.edu/articulation.

SMC offers the **Theatre Arts Associate Degree for Transfer**. Students completing this degree are eligible for priority transfer admission consideration in the majors at the **California State University** campuses listed below. In addition, students will be required to complete no more than 60 semester/90 quarter CSU units of coursework after transfer to complete the baccalaureate degree. **NOTE: Students considering transfer to a UC, private, or out-of-state school should consult a counselor before applying to transfer, as the transfer requirements may be different from those required for the Theatre Arts AA-T.**

Below are the CSU campuses and majors accepting this Transfer degree. This list is subject to change without notice. For the most current list, go to calstate.edu/transfer/ladt-search/search.shtml

- Bakersfield: Theatre – General, BA
- Channel Islands: Performing Arts – Theatre, BA
- Chico: Theatre Arts – General, BA
- Dominguez Hills: Theatre Arts, BA
- East Bay: Theatre Arts – No Option, BA
- Fresno: Theatre Arts – Dance, BA
- Fresno: Theatre Arts – Acting, BA
- Fresno: Theatre Arts – Theatre Arts-Design/Technology, BA
- Fresno: Theatre Arts – General, BA
- Fullerton: Dance – General, BA
- Fullerton: Theatre Arts – Teaching, BA
- Humboldt: Theatre Arts – General, BA
- Long Beach: Theatre Arts – General, BA
- Long Beach: Theatre Arts – Performance: Acting, BA
- Long Beach: Theatre Arts – Technical Theatre: Scenery/Costume/Lighting Design, BA
- Los Angeles: Theatre Arts and Dance – Design and Production, BA
- Los Angeles: Theatre Arts and Dance – Performance, BA

- Northridge: Theatre – General, BA
- Pomona: Theatre – Acting, BA
- Pomona: Theatre – Dance, BA
- Pomona: Theatre – Education and Community, BA
- Pomona: Theatre – General Theatre, BA
- Pomona: Theatre – Technical Theatre and Design, BA
- Sacramento: Theatre – General, BA
- San Bernardino: Theatre Arts – Acting Emphasis, BA
- San Bernardino: Theatre Arts – Dance Emphasis, BA
- San Bernardino: Theatre Arts – Design and Technical Production Emphasis, BA
- San Bernardino: Theatre Arts – Drama Education Emphasis, BA
- San Bernardino: Theatre Arts – Musical Theatre Emphasis, BA
- San Diego: Theatre Arts – Youth Theatre, BA
- San Francisco: Drama – Drama – General, BA
- San Jose: Creative Arts – Creative Arts, BA
- San Jose: Humanities – Liberal Arts, BA
- San Jose: Theatre Arts, BA
- San Luis Obispo: Theatre Arts – General, BA
- San Marcos: Visual and Performing Arts – Theatre Arts, BA
- Sonoma: Theatre Arts – Acting, BA
- Sonoma: Theatre Arts – Dance, BA
- Sonoma: Theatre Arts – Technical Theatre, BA
- Stanislaus: Theatre Arts – General, BA

THEATRE ARTS, ASSOCIATE DEGREE FOR TRANSFER

Program Learning Outcomes: Upon completion of the program, students will be able to evaluate and appreciate a theatrical performance by recognizing the inherent components that go into creating theatre, including the research involved, the collaboration among designers and directors, the rehearsal process, and the technical skills involved in making a play come to life. In addition, students will hone performance, design, analytical, or technical skills leading to performance in the capacity of at least one of the following: Actor, Director, Stage Manager, Set/Light/Sound/Costume/Make-Up Designer, Stage Technician, Reviewer, Educated Audience Member.

Required Core Courses: (6 units)

TH ART 2, Introduction to the Theatre (3)

or

TH ART 5, History of World Theatre (3)

TH ART 41, Acting I (3)

12 additional units are required with a minimum of 3 units from List A, and a minimum of 6 units from List B. The remaining 3 units may come from either list.

LIST A: Rehearsal and Performance or Technical Theatre Practicum: (3 units)

TH ART 18A*, Technical Theatre Production Workshop (1)

TH ART 18B*, Technical Theatre Production Workshop (2)

TH ART 18C*, Technical Theatre Production Workshop (3)

TH ART 45, Music Theatre Workshop (3) (*same as MUSIC 45*)

TH ART 50, Advanced Production – Full Play (3)

TH ART 53 Production for the Younger Audience (3)
(*same as MUSIC 46*)

TH ART 55, Advanced Production – Small Theatre Venue (3)

Any combination of TH ART 18A, 18B, and/or 18C to total a maximum of 3 units

LIST B: Select 3 courses from the following: (9 units)

TH ART 20, Stagecraft (3)

TH ART 22, Stage Lighting (3)

TH ART 26, Introduction to Stage Costuming (3)

TH ART 42, Acting II (3)

TH ART 45, Musical Theatre Workshop (3) (*same as MUSIC 45*)

TH ART 50, Advanced Production – Full Play (3)

TH ART 53, Production for the Younger Audience (3)
(*same as MUSIC 46*)

TH ART 55, Advanced Production – Small Theatre Venue (3)

TECHNICAL THEATRE, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

The Technical Theatre Program provides rigorous academic instruction, hands-on practical training, and experiential learning in several areas of technical theatre production. Through coursework as well as practical work on theatrical productions, students are trained in Stagecraft, State Lighting, Stage Sound, Scenic and Prop Construction, Stage Management, Stage Costuming, and Stage Make-Up. Students will work with advanced technology and materials in the use of intelligent lighting systems, audio equipment, video projection equipment, stage machinery, set construction, scenic painting, and costume construction and design. Internship, mentorships, and entry level job opportunities in the industry are made available to candidates who meet and exceed expectations.

Program Learning Outcomes: Upon completion of the program, students will be able to evaluate and appreciate a theatrical performance by recognizing the inherent components that go into creating theatre, including the research involved, the collaboration among designers and directors, the rehearsal process, and the technical skills involved in making a play come to life. In addition, students will hone design and technical skills leading to performance in the capacity of at least one of the following: Stage Manager, Set/Light/Sound/Costume/Make-Up Designer, Stage Technician.

Required Introduction/History courses: Select 3 units from the following:

TH ART 2, Introduction to the Theatre (3)

TH ART 5, History of World Theatre (3)

Required Stagecraft Course:

TH ART 20, Stagecraft (3)

Required Production Workshop courses: Select 3 units from the following:

TH ART 18A, Technical Theatre Production Workshop (1)

TH ART 18B, Technical Theatre Production Workshop (2)

TH ART 18C, Technical Theatre Production Workshop (3)

Elective Courses: Select at least 10 units from the following:

TH ART 21, Scenic Painting Techniques (3)
 TH ART 22, Stage Lighting (3)
 TH ART 23, Projection and Light Design (3)
 TH ART 25, Introduction to Theatrical Sound (3)
 TH ART 26, Introduction to Stage Costuming (3)
 TH ART 28A, Beginning Stage Make-up (1)
 TH ART 28B, 3D and Theatrical Styles Make-up (1)
 TH ART 31, Introduction to Stage Management (3)
 TH ART 32, Scenic Design (2)

THEATRE, ASSOCIATE DEGREE

The program provides instruction and training in the field of Theatre Arts. A comprehensive curriculum in areas of Acting, Voice, Movement, Theatrical Styles, Theatre History, Production and Technical Theatre prepares students for university transfer and future careers. The program seeks to empower students at all levels to hone their performance, technical or critical/analytical skills through active and rigorous engagement in their areas of study. The program makes effort to instill a sense of responsibility in students and a desire for excellence in their craft.

The department's curriculum focuses on providing education and experience towards mounting theatrical productions. Performance related classes one skill enabling the actor to audition and perform with confidence. Technical Theatre classes provide students with the knowledge and skills to tackle various aspects of technical theatre. Department productions are student cast and run by student crews.

Program Learning Outcomes: Upon completion of this program, students will be able to evaluate and appreciate a theatrical performance by recognizing the inherent components that go into creating theatre, including the research involved, the collaboration among designers and directors, the rehearsal process, and the technical skills involved in making a play come to life. In addition, students will hone performance, design, and analytical or technical skills leading to performance in the capacity of at least one of the following: Actor, Director, Stage Manager, Set/Light/Sound/Costume/Make-up Designer, Stage Technician, Reviewer, Educated Audience Member.

Required Core Courses: (14 units)

TH ART 5, History of World Theatre (3)
 TH ART 10A, Voice Development for the Stage (3)
 TH ART 15, Stage Movement for the Actor (1)
 TH ART 20, Stagecraft (3)
 TH ART 28A, Beginning Stage Make-up (1)
 TH ART 41, Acting 1 (3)

Required Production Workshop Courses: (3 units minimum)

TH ART 18A, Technical Theatre Production Workshop (1)
 TH ART 18B, Technical Theatre Production Workshop (2)
 TH ART 18C, Technical Theatre Production Workshop (3)

Technical Theatre Courses: Select 1 course from the following: (3 units)

TH ART 21, Scenic Painting Techniques (3)
 TH ART 22, Stage Lighting (3)
 TH ART 23, Projection and Lighting Design (3)
 TH ART 25, Introduction to Theatrical Sound (3)

TH ART 26, Introduction to Stage Costuming (3)
 TH ART 31, Introduction to Stage Management (3)

Advanced Performance Courses: Select 1 course from the following: (2 units)

TH ART 10B, Advanced Voice Development for the Stage (3)
 TH ART 13, Stage Dialects (2)
 TH ART 16, Advanced Stage Movement for the Actor (2)
 TH ART 38A, Beginning Stage Direction (3)
 TH ART 42, Acting II (3)
 TH ART 43, Acting, Historical Styles – Early (3)
 TH ART 44, Acting, Historical Styles – Late (3)
 TH ART 45, Musical Theatre Workshop (3) (*same as MUSIC 45*)
 TH ART 50, Advanced Production: Full Length Play (3)
 TH ART 52, Advanced Production: Musical Theatre (5)
 TH ART 53, Production for the Younger Audience (3) (*same as MUSIC 46*)
 TH ART 55, Advanced Production: Small Theatre Venue (1)

Transfer

See General Education

See Liberal Arts

See Science

Turkish

See Modern Languages

Urban Studies

See Geography

Women's, Gender, and Sexuality Studies

The Women's, Gender and Sexuality Studies program studies the history, sociology and politics of women, gender, and sexuality in society. The area of emphasis examines gender and sexuality based oppression throughout history, and also the ways in which women have taken power over their lives. Students will better understand the impact of women, gender and sexuality on various cultures at various times and evaluate changing social patterns and the effects of institutions and cultural assumptions. The Women's, Gender and Sexuality Studies area of emphasis can lead to a variety of careers including a community organizer, political lobbyist and political strategist. This degree may also prepare the student for further study at the baccalaureate level.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered:

- Transfer Preparation
- Women's, Gender, and Sexuality Studies Associate Degree

TRANSFER PREPARATION

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at *assist.org*.

A listing of private, nonprofit California colleges and universities can be found online at *aiccu.edu*. For articulation agreements between SMC and some of these institutions see *smc.edu/articulation*.

WOMEN'S, GENDER, AND SEXUALITY STUDIES, ASSOCIATE DEGREE

Program Learning Outcomes: Upon completion of the program, students will demonstrate through oral and written work a familiarity with the basic principles from the field of women's, gender and sexuality studies and feminist theories and be prepared to pursue further study at the baccalaureate level. In addition, students will be proficient in the research, analytical, and communication skills necessary to present an analysis of gender based challenges in the world today and the proposed solutions to these challenges.

Required Core Courses: (6 units)

WGS 10, Introduction to Women's, Gender and Sexuality Studies (3)

WGS 80, Women's, Gender, and Sexuality Studies Leadership Practicum (3)

Related Disciplines (18 units)

Minimum of 1 course from each of the following 4 areas, plus 2 additional courses from any area:

AREA 1: (minimum 3 units)

WGS 20, Gender, Feminisms, and Social Movements: A Global Approach (3)

WGS 30, Women, Gender and Sexuality in Popular Culture (3)

AREA 2: (minimum 3 units)

ANTHRO 14, Sex, Gender and Culture (3)

COM ST 36, Gender and Communication (3)

HIST 52, The History of Women in American Culture (3)

SOCIOL 33, Sociology of Sex and Gender (3)

AREA 3: (minimum 3 units)

ANTHRO 2, Cultural Anthropology (3)

PSYCH 25, Human Sexuality (3)

SOCIOL 1, Introduction to Sociology (3)

SOCIOL 12, Sociology of the Family (3)

AREA 4: (minimum 3 units)

COM ST 37, Intercultural Communication (3)

ENGL 39, Images of Women in Literature (3)

FILM 6, Women in Film (3)

MEDIA 10, Media, Gender and Race (3)

Zoology

See *Biological Sciences*