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Addendum to the 2012-13 Catalog

This table is an addition to the content on page 36

COLLEGE OF SAN MATEO LEARNING SUPPORT CENTERS

CENTER	LOCATION	LEAD FACULTY	SUPPORT STAFF	
Accounting Skills Center	South Hall (14), Room 204	Rosemary Nurre	Not applicable	
Anatomy and Physiology Center	Science Building, Room 217	Theresa Martin	Not applicable	
Assistive Technology Center	College Center, Room 120	Carolyn Fiori	Sue Roseberry, Instructional Aide	
Business Computer Center	South Hall (14), Rooms 101, 103, and 105	Patricia Brannock	Russell Cunningham, Instructional Aide	
CIS Computer Center	Emerging Technologies Building (19), Rooms 124 and 126	Melissa Green	Cory Putnam, Instructional Aide	
Communication Studies Center	College Center, Learning Cen-	Yaping Li	Michael Manneh, Instructional	
	ter, Room 220	George Kramm	Aide	
CSM Learning Center	College Center, Room 220	Jennifer Mendoza, Director of the Learning Center	Patricia (Pepper) Powell, Instructional Aide	
Digital Media Computer Center	College Center, Room 161	Patti Appel	Michael McDaniel, Instructional	
		Diana Bennett	Aide	
Foreign Language Center	North Hall (18), Room 112	Richard Castillo	Not applicable	
Integrated Science Center	Science Building, Room 110	Kathy Diamond	Dean Drumheller, Lab Technician	
Math Resource Center	North Hall (18), Room 202 [Central Hall (16), Room 111 as a satellite location]	Lena Feinman	Not applicable	
Nursing Skills Center	Health and Wellness Building, Rooms 360 and 380	Jane McAteer	Jenny Kinsel, Lab Technician	
Reading and ESL Center	North Hall (18), Rooms 101	Nancy Paolini (ESL)	Anna St. Amand, Instructional Aide	
	and 103	Carole Wills (Reading)	Colleen Olle, Instructional Aide	
Writing Center and English 800	North Hall (18), Rooms 102,	Juanita Alunan	Lindsey Bynum, Instructional Aide	
Center	104, 106, and 108	Daniel Keller	Michele Haggar, Instructional Aide	
		Kathleen Steele	Greg Lagang, Instructional Aide	
			Valerie Young, Instructional Aide	

3/6/12, approved by the Learning Support Centers Lead Faculty Group, updated 8/21/12

Replaces Administration of Justice section on pages 70–71

ADMINISTRATION OF JUSTICE

Meet with a CSM counselor to discuss how to achieve academic goals and to develop a comprehensive student educational plan (SEP).

University Transfer Program 60-70 transferable units

California State University University of California Independent Colleges and Universities

AS Associate in Science Degree

Administration of Justice 60 units

AS-T Associate in Science Degree for Transfer/SB1440

Administration of Justice 60 CSU transferable units

CA Certificate of Achievement

University Transfer Program

Use Assist (<u>www.assist.org</u>) to identify lower division major preparation for the California State University and the University of California systems. Transfer majors may be listed as Administration of Justice, Criminal Justice, Criminology, Law and Society, or other listings. For independent or out-of-state colleges and universities use their catalogs to locate this information. Transfer Services can assist you to gather this information.

The Administration of Justice Program prepares students for jobs in the field of criminal justice. The program at CSM is designed to educate students on the many aspects of justice administration – from the human, social and moral problems to the larger scope of justice systems.

Through the expertise of the faculty and the exposure to professional personnel from the criminal justice system, students can expect to be prepared for a career in various fields including criminal justice, law enforcement, corrections, social services, probation, and law.

The criminal justice system offers employment in various municipal, county and state agencies in California, to individuals who have the ability to work well with all types of people, observe details others might miss, and make sound decisions in times of crisis.

The two-year degree covers a broad range of information and professional skills in criminal law, corrections, and the American justice system. While this degree is intended for transfer, it also may lead to employment or advancement within the justice system. Students planning to transfer to a four-year university should complete the Associate Degree.

AS Major in Administration of Justice

Upon completion of degree requirements, students will be able to:

- 1. Identify and classify the various components and goals of the Criminal Justice System, and explain how the components function as a team.
- 2. Recognize and discuss the development and practical application of law in society.
- 3. Explain and demonstrate the importance of developing interpersonal and written communication skills necessary to function within the Criminal Justice System and society at large.
- 4. Describe and demonstrate the value and necessity of ethics, integrity, and professionalism in law enforcement careers.

Complete General Education and other requirements listed for the Associate degree and

Major requirements: 21 semester units

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

ADMJ 100 Introduction to the Criminal
Justice System 3 units
ADMJ 102 Principles and Procedures of the
Justice System 3 units
ADMJ 104 Concepts of Criminal Law3 units
ADMJ 106 Legal Aspects of Evidence 3 units
ADMJ 120 Criminal Investigation and the
Justice System 3 units
Plus, 6 units from the courses listed below:
ADMJ 108 Community Relations 3 units
ADMJ 125 Juvenile Procedures 3 units
ADMJ 185 Introduction to Forensics3 units

AS-T Major in Administration of Justice

Upon completion of degree requirements, students will be able to:

- Identify and classify the various components and goals of the Criminal Justice System, and explain how the components function as a team.
- 2. Recognize and discuss the development and practical application of law in society.
- 3. Explain and demonstrate the importance of developing interpersonal and written communication skills necessary to function within the Criminal Justice System and society at large.
- 4. Describe and demonstrate the value and necessity of ethics, integrity, and professionalism in law enforcement careers.

Major requirements: 18-19 semester units.

The AS-T major in Administration of Justice prepares students for transfer into bachelor's degree programs in Administration of Justice and similar areas. Completion of this AS-T meets minimum eligibility for transfer to the California State University system. For more information go to page 62 of the 2012-13 Catalog.



Complete CSU General Education and major requirements as noted below. A grade of "C" or higher is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Required Core Courses:

ADMJ 100 Introduction to the Criminal Justice System3 units
ADMJ 104 Concepts of Criminal Law3 units

Plus, select 6 units from the following courses:

Plus, select 6 utilits from the following courses.
ADMJ 102 Principles & Procedures of the Justice System 3 units
ADMJ 106 Legal Aspects of Evidence3 units
ADMJ 108 Community Relations and the Justice System 3 units
ADMJ 120 Criminal Investigation 3 units
ADMJ 125 Juvenile Procedures 3 units
ADMJ 185 Introduction to Forensic Science 3 units

Plus, select 6 units from the following courses:

COMM 130 Interpersonal Communication 3 units
SOCI 100 Introduction to Sociology3 units
PSYC 100 General Psychology3 units
PSYC 121 Basic Statistical Concepts 3 units OR
MATH 200 Elementary Probability and Statistics4 units

General Education requirements:

Select courses to complete CSU General Education OR IGETC for CSU. This degree does not require the CSM AA/AS General Education pattern on pages 64 & 65 of the 2012-13 Catalog.

CSU GE:

Area A1 Oral Communication 3 units	
Area A2 Written Communication3 units	
Area A3 Critical Thinking3 units	
Area B1 Physical Science3 units	
Area B2 Life Science3 units	
Area B3 Science Lab1 unit	
Area B4 Math Concepts3 units	
Area C1 Arts3 units	
Area C2 Humanities3 units	
Area C1 or C23 units	
Area D Social, Political, and Economic Institutions 9 units	
Area E Lifelong Understanding3 units	
OR	

IGETC/CSU:

Area 1A English Composition3 units
Area 1B Critical Thinking/Composition3 units
Area 1C Oral Communication3 units
Area 2 Math Concepts3 units
Area 3A Arts3 units
Area 3B Humanities3 units
Area 3A or 3B3 units
Area 4 Social and Behavioral Science9 units
Area 5A Physical Science3 units

Area 5B Biological Science3 units
Area 5C Science Lab - Either 5A or 5B must
have a lab component
Electives:

Additional CSU transferable courses based on student interest to reach 60 units total.

CA Administration of Justice

24 semester units

A grade of "C" or higher is required for each course applied to the certificate.

Complete major requirements listed under Associate in Science: Major in Administration of Justice. Plus, completion of the General Education requirement as outlined in Area 1, Group A of IGETC.

CA Basic Police Academy

22 semester units

A grade of "C" or higher is required.

ADMJ 145	Basic Police A	Academy	
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This 880 hour course of training is certified by the California Commission of Peace Officer Standards and Training (POST) to the statutory basic training requirements. This training is presented on the College of San Mateo campus by our regional academy trainer, South Bay Regional Training Center. For more information, contact South Bay at (408) 270-6458.

POST (California Commission on Peace Officers Standards and Training)

Job opportunities within the law enforcement field require certification by POST of a candidate's work preparation. Reserve officers are hired by local law enforcement agencies only after completing a POST-certified program such as that offered by College of San Mateo.

For regular police officer positions, the hiring agency might choose to hire the individual and then pay for his/her training. It is more often the case that the agency will seek out candidates who have completed training in a POST-certified program. College of San Mateo's Administration of Justice program is oriented to comply directly with POST certification standards, placing our program graduates in an advantageous position when applying for jobs in the law enforcement field.

Upon successful completion of each of the following courses, students will receive a certification of course completion from the Administration of Justice department.

PC 832 Training Courses

ADMJ 771	PC 832: Arrest and Control Training	3 units
ADMJ 775	PC 832: Firearms Training	o.5 unit
Regular Ba	sic Course Modular Format	
ADMJ 780	Regular Basic Course Module III	9.5 units
ADMJ 781	Regular Basic Course Module II	13 units

This page is an addition that follows the Art program requirements on page 77

ASTRONOMY

Meet with a CSM counselor to discuss how to achieve academic goals and to develop a comprehensive student educational plan (SEP).

University Transfer Program 60-70 transferable units

California State University University of California Independent Colleges and Universities

Certificate of Achievement

Astroimaging and Observatory Operation (AOOC) . .27-31 units

University Transfer Program

Use Assist (www.assist.org) to identify lower division major preparation for the California State University and the University of California systems. For independent or out-of-state colleges and universities use their catalogs to locate this information. Transfer Services can assist you to gather this information.

Astroimaging and Observatory Operation (AOOC)

At the heart of astronomy research are observatory operations and astroimaging techniques. Observatories all around the world are in need of technicians who can fulfill those tasks. Yet there are not many institutions that can provide the necessary training for such technicians. The College of San Mateo Astronomy Department, with its roll-off-roof observatory, containing a wide selection of refracting and reflecting telescopes, as well as various imaging instrumentation, provides the training for students, who would like to pursue such a career. The students' training is enriched by access to a wellequipped forty-foot domed, state-of-the-art planetarium, along with a dedicated faculty and staff, active in astronomical research. This program is designed to introduce the students to the operation of various telescopes and to the implementation of important astroimaging techniques such as spectroscopy and photometry, along with sophisticated software to process images. While the learning of the techniques is hands-on, the underlying principles are emphasized. Furthermore, this certificate program is designed such that students can, with a slight modification, apply the course load of this program toward higher degrees in astronomy or astrophysics.

27-31 semester units

A grade of "C" or higher is required for each course applied to the certificate.

Astronomy requirements:

ASTR 1 00 Introduction to Astronomy	3 units
ASTR 101 Astronomy Laboratory	1 unit
ASTR 103 Observational Astronomy Lab	1 unit
ASTR 125 Stars and Galaxies	3 units
ASTR 200 Introduction to Astrophysics	3 units
ASTR 203 Astroimaging Techniques	4 units
ASTR 204 Application of Astroimaging Techniques	4 units
Physics requirements:	

PHYS 210 General Physics I	. OR
PHYS 250 Physics with Calculus I	. 4 units
PHYS 220 General Physics II	. OR
PHYS 270 Physics with Calculus III	. 4 units

*Students planning to pursue an undergraduate degree in Physics, Astronomy or Astrophysics should take PHYS 250 and 270

Mathematics requirements:

MATH 130 Analytic Trigonometry4 units Or placement in Math 222 or Math 251

(MATH 130 is sufficient for students who plan to take PHYS 210 and 220. Students who plan to take PHYS 250 and 270 will also need MATH 222, 251, 252, and 253.)

Replaces Business section on pages 82-84

BUSINESS

Meet with a CSM counselor to discuss how to achieve academic goals and to develop a comprehensive student educational plan (SEP).

University Transfer Program 60-70 transferable units

California State University University of California Independent Colleges and Universities

AA Associate in Arts Degree

Business Administration,
Option 1 (Non-transfer program) 60 units
Business Administration,
Option 2 (Transfer program) 60 units

Business Information Processing
Option 1: Microcomputer/Office Assistant 60 units
Option 2: Microcomputer/Database and
Spreadsheet Functions 60 units

AS-T Associate in Science Degree for Transfer/SB1440

Business Administration 60 CSU transferable units

CA Certificate of Achievement

Business Information Processing
Option 1: Microcomputer/Office Assis

Option 1: Microcomputer/Office Assistant 23-24.5 units Option 2: Microcomputer/Database and

Spreadsheet Functions 24 units

CS Certificates of Specialization

Recommended high school preparation:

Coursework in Mathematics, English, Accounting, and use of microcomputers, including spreadsheet and word processing applications.

AA Major in Business Administration, Option 1 (Non-transfer)

Career opportunities for Business Administration majors are diverse and many. The major prepares students for careers in business disciplines which include sales, marketing, public relations, and human resources. Many graduates find employment within the manufacturing industries: automotive, aerospace, commercial; investment banking; consulting services; retailing; and information technology and telecommunications. Others secure employment in federal, state, or local government agencies. Still others work for non-profit or private foundations and professional organizations. Administrative assistant, bookkeeper, buyer, employment interviewer, and sales

agent are some of the careers for which the non-transfer option helps prepare the student.

Complete General Education and other requirements listed for the Associate degree and

Major requirements: 24-26 semester units

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

ACTG 100 Accounting Procedures 3 units OR
ACTG 121 Financial Accounting4 units
BUS 100 Contemporary American Business3 units
BUS 101 Human Relations I 3 units
BUS 115 Business Mathematics 3 units
BUS 201 Business Law I 3 units
BUS 401 Business Communications 3 units
BUS 295 Computer Systems in Business 4 units OR
CIS 110 Introduction to Computer and Information Science

Plus, select 3 units from a BUSW series

AA Major in Business Administration, Option 2 (Transfer Program)

With a B.A. or advanced degree, career opportunities extend to include accountant, administrative assistant, budget analyst, management consultant, claims agent, controller, credit analyst, financial manager, financial planner, hospital administrator, insurance agent, lawyer, loan officer, securities analyst, and trust officer.

Additional fields for which this option helps prepare the student are advertising/marketing, international business, banking, business publications, computer operations, and computer software implementation.

Complete General Education and other requirements listed for the Associate degree and

Major requirements: 20-24 semester units

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

ACTG 121 Financial Accounting4 units
ECON 100 Principles of Macroeconomics3 units
ECON 102 Principles of Microeconomics 3 units
MATH 200 Statistics4 units

Plus, select 6–10 units from the following courses:

rias, select o to units from the following courses.
ACTG 131 Managerial Accounting 4 units
BUS 100 Contemporary American Business3 units
BUS 201 Business Law I
BUS 295 Computer Systems in Business4 units
MATH 125 Elementary Finite Math 3 units
MATH 241 Applied Calculus 15 units
MATH 251 Calculus with Analytic Geometry I 5 units

AS-T Major in Business Administration

The AS-T major in Business Administration prepares students for transfer into bachelor's degree programs in Business Administration and similar areas. With a bachelor's degree or advanced degree, career opportunities include accountant, administrative assistant, budget analyst, management consultant, claims agent, controller, credit analyst, financial manager, financial planner, hospital administrator, insurance agent, lawyer, loan officer, securities analyst, and trust officer. Additional fields for which the options helps prepare the student are advertising/marketing, international business, banking, business publications, computer operations, and computer software implementation.

Major requirements: 26-31 semester units

Complete CSU General Education and major requirements as noted below. A grade of "C" or higher is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Required Core (17 units)

	ACTG 121 Financial Accounting4 units
	ACTG 131 Managerial Accounting4 units
	ECON 100 Principles of Macroeconomics 3 units
	ECON 102 Principles of Microeconomics3 units
	BUS 201 Business Law I3 units
I	List A: Select one course (3–5 units)
	MATH 241 Applied Calculus I 5 units
	MATH 200 Elementary Probability and Statistics4 units
	MATH 125 Finite Math 3 units

List B: Select two courses (6–9 units)

Any List A course not used above

BUS 295 Computer Systems in Business

Either BUS 100 Contemporary American Business. 3 units \dots OR

BUS 401 Business Communications

General Education requirements:

Select courses to complete CSU General Education OR IGETC for CSU. This degree does not require the CSM AA/AS General Education pattern on pages 64 and 65 of the 2012-13 Catalog.

CSU GE:

Area A1 Oral Communication 3 units
Area A2 Written Communication 3 units
Area A3 Critical Thinking3 units
Area B1 Physical Science3 units
Area B2 Life Science3 units
Area B3 Science Lab1 unit
Area B4 Math Concepts3 units
Area C1 Arts3 units
Area C2 Humanities3 units
Area C1 or C23 units
Area D Social, Political, and Economic Institutions 9 units
Area E Lifelong Understanding3 units

OR

IGETC/CSU:

Area 1A English Composition 3 units
Area 1B Critical Thinking/Composition 3 units
Area 1C Oral Communication 3 units
Area 2 Math Concepts3 units
Area 3A Arts 3 units
Area 3B Humanities3 units
Area 3A or 3B
Area 4 Social and Behavioral Science 9 units
Area 5A Physical Science3 units
Area 5B Biological Science3 units
Area 5C Science Lab - Either 5A or 5B
must have a lab component1 unit

Electives:

Additional CSU transferable courses based on student interest to reach 60 units total.

AA Major in Business Information Processing Option 1: Microcomputer/ Office Assistant

Career opportunities available to Business Information Processing graduates include employment in both entry-level positions and mid-level office management. Other areas of career opportunities include sales, marketing, public relations, and human resources.

Students develop the ability to organize and manage work tasks and information through the use of computer/office technology. These programs offer training in decision-making and administrative duties that are required for promotion.

Among career opportunities for those skilled in microcomputer word processing are office assistant, administrative staff assistant, executive secretary, senior secretary, secretary supervisor, and secretarial services entrepreneur.

Complete General Education and other requirements listed for the Associate degree and

Major requirements: 23-24.5 semester units

A grade of "C" or higher is required for each course applied to the major.
BUS 101 Human Relations I 3 units
BUS 115 Business Mathematics 3 units
BUS 315 Keyboarding I 3 units OR
BUS 317 Keyboarding Skill-Building1.5 units
BUS 326 Electronic Filing and Records Management 1.5 units
BUS 401 Business Communication3 units
BUSW 105 Introduction to Microcomputers1.5 units
BUSW 114 Windows Fundamentals I
BUSW 214 Word Processing I Using
WORD for Windows



BUSW 215	Word Processing II Using
	WORD for Windows
BUSW 383	Business Presentations Using
	Power Point for Windows
BUSW 415	Spreadsheet I Using Excel for Windows1.5 units
BUSW 530	Introduction to Internet
CRER 127 (Career Choices: Iob Search o.5 uni

CA Business Information Processing Option 1: Microcomputer/Office Assistant

23-24.5 semester units

Complete major requirements listed under Associate in Arts – Major in Business: Business Information Processing Option 1 Microcomputer/ Office Assistant. A grade of "C" or higher is required for each course applied to the certificate.

AA Major in Business Information Processing Option 2: Microcomputer/ Data Base and Spreadsheet Functions

Among career opportunities for those skilled in microcomputer database and spreadsheet functions are technical support specialist, PC applications support specialist, PC telephone customer service representative, computer support aide, and consultant/trainer.

Complete General Education and other requirements listed for the Associate degree and

Major requirements: 24 semester units

Αę	grade of "	C" or higher is required for each course applied to the major
Α	CTG 100	Accounting Procedures3 units
Α	CTG 144	Quick Books: Set-up and Service Business1.5 units
Α	CTG 145	Quick Books: Payroll and Merchandising1.5 units
В	US 100 C	Contemporary American Business3 units
В	US 115 B	usiness Mathematics 3 units
В	USW 105	Introduction to Microcomputers $\dots 1.5$ units
В	USW 114	Windows Fundamentals I1.5 units
В	USW 214	Word Processing Using
		WORD for Windows
В	USW 415	Spreadsheet I Using Excel for Windows 1.5 units
В	USW 416	Spreadsheet II Using Excel for Windows 1.5 units
В	USW 464	Database Management Fundamentals
		Using Access for Windows3 units
В	USW 530	Introduction to the Internet

CA Business Information Processing Option 2: Microcomputer/Data Base and Spreadsheet Functions

24 semester units

Complete major requirements listed under Associate in Arts – Major in Business: Business Information Processing Option 2 Microcomputer/ Data Base and Spreadsheet Functions. A grade of "C" or higher is required for each course applied to the certificate.

cs Office Assistant I

8-9.5 semester units

A grade of "C" or higher is required for each course applied to the certificate.

BUS 317 Keyboarding Skill-Building1.5 units
BUS 316 Keyboarding II 3 units OR
BUSW 214 Word Processing Using
WORD for Windows
BUSW 114 Windows Fundamentals I
BUSW 415 Spreadsheet I Using EXCEL for Windows1.5 units
BUSW 530 Introduction to the Internet
CRER 127 Career Choices: Job Search o.5 unit

CS Office Assistant II

11 semester units

BUS 317 Keyboarding Skill-Building1.5 units
BUSW 114 Windows Fundamentals I
BUSW 214 Word Processing I Using WORD for Windows
BUSW 215 Word Processing II Using WORD for Windows
BUSW 383 Business Presentations Using Power Point for Windows
BUSW 415 Spreadsheet I Using Excel for Windows1.5 units
BUSW 530 Introduction to Internet
CRER 127 Career Choices: Job Searcho.5 unit

Replaces Chemistry section on page 85

CHEMISTRY

Meet with a CSM counselor to discuss how to achieve academic goals and to develop a comprehensive student educational plan (SEP).

University Transfer Program 60 – 70 transferable units

California State University University of California Independent Colleges and Universities

AS

Associate in Science Degree

Chemistry 60 units

Recommended high school preparation:

Coursework in Chemistry, Biology, Physics, Mathematics

University Transfer Program

Use Assist (<u>www.assist.org</u>) to identify lower division major preparation for the California State University and the University of California systems. For independent or out-of-state colleges and universities use their catalogs to locate this information. Transfer Services can assist you to gather this information.

The Chemistry major prepares students to transfer to four-year institutions for continued study in the field of chemistry. While an A.S. degree may be sufficient for an individual to secure employment as an environmental technician, laboratory technician, safety manager, sanitarian, or water-quality analyst, most careers in the field require a B.S. or advanced degree. Analytical chemist, biochemist, biotechnologist, dentist, educator, forensic specialist, environmental/ industrial health engineer, pharmacist, physician, research chemist, and veterinarian are some of the careers for which an Associate degree in Chemistry prepares a student who subsequently obtains a university degree in the field. Approximately two-thirds of all chemists work for manufacturing firms. Chemists are also employed with federal, state and local governments, such as the departments of Defense, Health and Human Resources, and Agriculture. Some chemists work for research organizations and educational institutions.

AS Major in Chemistry

Upon completion of degree requirements, students will be able to:

- 1. Demonstrate preparedness to transfer to a 4 year institution
- 2. Effectively explain general chemistry and organic chemistry theories and concepts. (Effective Communication)
- 3. Perform quantitative analysis relating but not limited to graphical and numerical data obtained from laboratory experiments, and apply general chemistry and organic chemistry theories to solve problems. (Quantitative Skill)
- 4. Critically analyze and apply general chemistry and organic chemistry concepts. (Critical Thinking)

Complete General Education and other requirements listed for the Associate degree and

Major requirements: 24-25 semester units

A grade of "C" or higher is required for each course applied to the major
CHEM 210 General Chemistry I 5 units
CHEM 220 General Chemistry II 5 units
CHEM 231 Organic Chemistry I 5 units
CHEM 232 Organic Chemistry II5 units
PHYS 210/211 General Physics I /
Calculus Supplement 5 units OR
PHYS 250 Physics with Calculus 4 units



Replaces Digital Media section on pages 92–100

DIGITAL MEDIA

Meet with a CSM counselor to discuss how to achieve academic goals and to develop a comprehensive student educational plan (SEP).

University Transfer Program 60-70 transferable units

California State University University of California Independent Colleges and Universities

AA Associate in Arts Degree

Digital Media: Digital Audio

Digital Media: Digital Video Production

Digital Media: Graphic Design Digital Media: Journalism Digital Media: Multimedia

Digital Media: Television Producing

Digital Media: Web Design Digital Media: Web Developer

CA Certificate of Achievement

Digital Media: Graphic Design
Digital Media: Graphic Production

Digital Media: Journalism
Digital Media: Multimedia
Digital Media: Web Design
Digital Media: Web Developer

CS Certificate of Specialization

Digital Media: Digital Audio
Digital Media: Digital Video
Digital Media: Graphic Design
Digital Media: Graphic Production

Digital Media: Lighting Digital Media: Multimedia

Digital Media: Television and Radio Broadcasting

Digital Media: Video Journalism

Digital Media: Web Design/Web Developer

University Transfer Program

Use Assist (www.assist.org) to identify lower division major preparation for Digital Media for the California State University and the University of California systems. For independent or out-of-state colleges and universities use their catalogs to locate this information. Transfer Services can assist you to gather this information.

Broadcast and Electronic Media

CSM's Broadcast and Electronic Media program is helping to train the next generation of media makers, equipping them with technical skills, an ethical conscience, and an understanding of how media affects society. This 21st century program prepares students for a career in broadcasting through professional hands-on training. Students in Broadcast and Electronic Media can choose from three A.A. Degrees and four Certificates of Specialization, earn transfer credits, or just build their career skills. Students have the opportunity to explore a variety of possible career choices within the broadcasting industry: TV and video producing, directing, lighting, camera operation (in the studio and field), video editing, scriptwriting, on-air talent, audio recording and mixing, and radio programming. Students can expect rigorous training and real world projects.

TV training takes place in CSM's state-of-the-art TV studio, which is located inside a full-time broadcast station, KCSM-TV. Some classes produce programming that is broadcast on KCSM, so students work on TV shows that will air in a top-ten media market. Students enrolled in radio production will produce programming for a web-based college radio station.

AA Major in Digital Media: Digital Audio

The Digital Audio degree prepares students for entry level work in the radio industry or audio production. This degree focuses on: training students in sound recording and mixing; creating radio programming; and studying the intersection of audio and visual media. Students receive hands-on training for work in recording studios, audio production companies, and radio stations.

Upon completion of degree requirements, students will be able to:

- 1. Demonstrate a working knowledge of the practical and theoretical concepts used in sound recording for radio, television, and other electronic media.
- 2. Analyze the artistic and technical aspects of audio productions.

Complete General Education and other requirements listed for the Associate degree and

Major Requirements: 27.5 semester units

DGME 100 Media in Society3 units
DGME 102 Media Law and Ethics3 units
DGME 112 TV Studio ProductionOR
DGME 113 Digital Video Production 3 units
DGME 118 Digital Audio Production3 units
DGME 150 Advanced Audio: Radio ProductionOR
DGME 152 Advanced Digital Audio: Pro Tools3 units
MUS 290 Electronic Music I 3 units
MUS 291 Electronic Music II 2 units
MUS 293 Audio for Visual Media2.5 units
DGME 250 Digital Media Practicum3 units
DGME 255 Portfolio2 units

cs Digital Media: Digital Audio

Upon completion of certificate requirements, students will be able to:

- 1. Select and configure recording equipment for a recording session.
- 2. Record using digital audio technology.
- 3. Mix and transcode a digital audio production.

12 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 118 Digital Audio Production3 units
DGME 150 Advanced Audio: Radio Production3 units
DGME 152 Advanced Digital Audio: Pro Tools3 units
MUS 290 Electronic Music I 3 units

AA Major in Digital Media: Digital Video Production

The Digital Video Production degree prepares students for entry level work in TV and video production. This degree concentrates on broadcast level TV production and shooting and editing digital video. There are hundreds of production companies and TV stations throughout California that employ qualified directors of photography, video journalists, and video editors who have the type of training this program offers.

Upon completion of degree requirements, students will be able to:

- 1. Demonstrate technical proficiency in video production and postproduction,
- 2. Analyze the artistic and technical aspects of video productions such as composition, sound, lighting, and continuity.

Complete General Education and other requirements listed for the Associate degree and

Major Requirements: 29 semester units

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

DGME 100 Media in Society3 units
DGME 102 Media Law and Ethics3 units
DGME 260 Newswriting and Reporting3 units
DGME 112 TV Studio Production3 units
DGME 113 Digital Video Production 3 units
DGME 118 Digital Audio Production3 units
DGME 120 Advanced Video and Editing3 units
DGME 130 Lighting for Studio and Field 3 units
DGME 155 Video Journalism 3 units
DGME 255 Portfolio2 units

CS Digital Media: Digital Video

Upon completion of certificate requirements, students will be able to:

- 1. Use video editing to tell a story.
- 2. Enhance and improve video with purposeful graphics.

9 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 113 Digital Video Production 3 units
DGME 120 Advanced Video and Editing 3 units
DGME 143 Motion Graphics 3 units

AA Major in Digital Media: Graphic Design

Graphic Design prepares students for entry-level work in the visual media industry. The curriculum includes basic visual literacy and visual communication skills, the complete software package necessary for employment, typography, graphic design theory and application, and production classes that provide real-world hands-on learning experiences.

The skills that graphic designers possess transcend media boundaries. They may work in print media such as publishing, advertising and package design or three-dimensional media such as environmental graphics, exhibit or display design, or signage. They may design for electronic media such as television, the web, or multimedia or they may create motion graphics and titling for film and video. They may work in information design and interface design.

They may design packaging, books, magazines, and posters, all forms of advertising, corporate communications, corporate identity, environmental and retail design, web design, education design, or nonprofit design. Their creativity and skills are necessary wherever a message and an audience meet, regardless of the media.

Upon completion of degree requirements, students will be able to:

- 1. Synthesize visual solutions to graphic problems by integrating information and ideas.
- Design and produce original solutions to graphic problems using technology and software central to the graphics industry effectively.
- 3. Analyze, compare and contrast the effectiveness of their own original design work and the work of others.

Complete General Education and other requirements listed for the Associate degree and

Major Requirements: 31 semester units

DGME 103 Thinking Visually: Fundamentals of	
Two-Dimensional Design3 units	
DGME 211 Media Design I: Illustrator3 units	
DGME 212 Media Design II: Photoshop 3 units	
DGME 168 Web Design II: Dreamweaver3 units	
DGME 220 Typography3 units	



DGME 230 Publication Design and Production
with InDesign3 units
DGME 235 Graphic Design Theory and Application 4 units
DGME 240 Digital Publishing4 units
DGME 250 Digital Media Practicum3 units
DGME 255 Porfolio2 units

CA Digital Media: Graphic Design

The Graphic Design certificate prepares students for entry-level work in the visual media industry. The curriculum includes basic visual literacy and visual communication skills, the complete software package necessary for employment, typography, graphic design theory and application, and production classes that provide real-world hands-on learning experiences.

The skills that graphic designers possess transcend media boundaries. They may work in print media such as publishing, advertising and package design or three-dimensional media such as environmental graphics, exhibit or display design, or signage. They may design for electronic media such as television, the web, or multimedia or they may create motion graphics and titling for film and video. They may work in information design and interface design.

They may design packaging, books, magazines, and posters, all forms of advertising, corporate communications, corporate identity, environmental and retail design, web design, education design, or nonprofit design. Their creativity and skills are necessary wherever a message and an audience meet, regardless of the media.

Upon completion of certificate requirements, students will be able to:

- 1. Create original graphic design projects using comprehensive design, production, and business techniques.
- 2. Create an original portfolio in order to pursue employment or college transfer opportunities .
- 3. Collaborate effectively with project team members and industry professionals.
- 4. Demonstrate a holistic understanding and practical ability to complete an industry standard graphic design project from inception to completion.

27 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 103 Thinking Visually: Fundamentals of Two-Dimensional Design3 units
DGME 211 Media Design I: Illustrator3 units
DGME 212 Media Design II: Photoshop 3 units
DGME 215 History of Graphic Design3 units
DGME 220 Typography 3 units
DGME 230 Publication Design and Production with InDesign3 units
DGME 235 Graphic Design Theory and Application 4 units
DGME 250 Digital Media Practicum 3 units
DGME 255 Portfolio2 units

CS Digital Media: Graphic Design

Upon completion of certificate requirements, students will be able to:

- Create original graphic design projects using comprehensive design techniques.
- Communicate effectively to present graphic design solutions to peers and clients.
- Demonstrate a holistic understanding and practical ability to create an industry standard graphic design project from inception to completion.

13 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 103 Thinking Visually: Fundamentals of
Two-Dimensional Design3 units
DGME 215 History of Graphic Design3 units
DGME 220 Typography 3 units
DGME 235 Graphic Design Theory and Application 4 units

AA Major in Digital Media: Journalism

CSM's Journalism program provides a robust learning environment where hands-on experience and training in media ethics prepare students for further study and careers in media industries. Students collaborate on the production of The San Matean, the award-winning campus newspaper and website, in a real-world exploration of how media function. Among the skills they develop are reporting, editing, news photography, online editing, video reporting, and page design. Students are provided a rich exploration of media issues, ethics, and other vital journalism basics. The program can help students pursue an array of career opportunities, including work for advertising agencies, corporate communications departments, magazines.

Complete General Education and other requirements listed for the Associate degree and

Major Requirements: 24 semester units

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

DGME 100 Media in the Society3 units
DGME 101 Writing Across the Media 3 units
DGME 113 Digital Video Production 3 units
DGME 118 Digital Audio Production3 units
DGME 167 Web Design I: Fireworks 3 units
DGME 260 Newswriting and Reporting3 units
DGME 261 Advanced Newswriting and Reporting 3 units
DGME 265 Newspaper and Online News Production $\ldots3$ units

CA Digital Media: Journalism

CSM's Journalism program provides a robust learning environment where hands-on experience and training in media ethics prepare students for careers in media industries. Students collaborate on the production of The San Matean, the award-winning campus newspaper and website, in a real-world exploration of how media function.

Among the skills they develop are reporting, editing, news photography, online editing, video reporting, and page design. Students are provided a rich exploration of media issues, ethics, and other vital journalism basics. The program can help students pursue an array of career opportunities, including work for advertising agencies, corporate communications departments, magazines.

Upon completion of certificate requirements, students will be able to:

- 1. Communicate effectively by producing beat reports and formulating story ideas based on campus and off-campus research.
- 2. Demonstrate effective teamwork and project planning by working within a student-centered hierarchy on print and online journalism projects. Students learn to collaborate and assign individual duties within their group.
- 3. Develop story and photo ideas and original ways of presenting materials for the newspaper and website.
- 4. Produce an authentic newspaper and website.
- 5. Gather content and design coverage for print and online within a First Amendment context.
- 6. Produce video and audio content for the website.

21 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 100 Media in Society3 units
DGME 113 Digital Video Production 3 units
DGME 118 Digital Audio Production3 units
DGME 167 Web Design I: Fireworks 3 units
DGME 260 Newswriting and Reporting3 units
DGME 261 Advanced Newswriting and Reporting3 units
DGME 265 Newspaper and Online News Production3 units

CS Digital Media: Video Journalism

Upon completion of certificate requirements, students will be able to:

- 1. Produce video that clearly communicates information for specific audiences.
- 2. Write and report a typical video news package.
- 3. Explain the difference between video journalism and more traditional forms of journalism.

15 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 101 Writing Across the Media	. 3 units
DGME 113 Digital Video Production	. 3 units
DGME 120 Advanced Video and Editing	. 3 units
DGME 155 Video Journalism	. 3 units
DGME 260 Newswriting and Reporting	2 units

AA Major in Digital Media: Multimedia

Multimedia designers combine design and technical knowledge to create information and communication technology-based products that entertain, educate, or inform the user, This includes entertainment products such as computer games, education and training materials such as electronic kiosks in museums and trade shows, DVD-ROM games and "edutainment" programs, and interactive presentations used in business settings.

The duties of a multimedia designer may include animation, storyboarding, digital audio, digital video, project management, accessibility, and liaising with clients.

Multimedia designers work in the film and TV industries, advertising and marketing firms, web companies, government agencies, academic organizations and non-profit organizations, or may work as independent multimedia designers.

Upon completion of degree requirements, students will be able to:

- 1. Demonstrate multimedia editing software
- 2. Differentiate and construct multimedia formats
- 3. Differentiate digital media file formats
- 4. Evaluate the limitations of digital media
- 5. Know legal and ethical issues

Complete General Education and other requirements listed for the Associate degree and

Major Requirements: 32 semester units

DGME 102 Media Law and Ethics 3 units
DGME 103 Thinking Visually: Fundamentals of
Two-Dimensional Design3 units
DGME 167 Web Design I: Fireworks 3 units
DGME 165 Digital Animation: Flash3 units
DGME 166 Web Authoring: ActionScript3 units
DGME 113 Digital Video Production 3 units
DGME 118 Digital Audio Production3 units
DGME 143 Motion Graphics 3 units
DGME 220 Typography 3 units
DGME 250 Digital Media Practicum 3 units
DGME 255 Portfolio 2 units



CA Digital Media: Multimedia

Multimedia designers combine design and technical knowledge to create information and communication technology-based products that entertain, educate, or inform the user. This includes entertainment products such as computer games, education and training materials such as electronic kiosks in museums and trade shows, DVD-ROM games and "edutainment" programs, and interactive presentations used in business settings.

The duties of a multimedia designer may include animation, storyboarding, digital audio, digital video, project management, accessibility, and liaising with clients.

Multimedia designers work in the film and TV industries, advertising and marketing firms, web companies, government agencies, academic organizations and non-profit organizations, or may work as independent multimedia designers.

Upon completion of certificate requirements, students will be able to:

- Describe multimedia concepts at various stages of development relating to the multimedia process and use of appropriate software.
- 2. Demonstrate the ability to work in teams effectively.
- 3. Apply critical thinking and creative problem-solving skills to a variety of multimedia and production cases.
- 4. Employ theoretical knowledge, skills and attitudes to real world issues / situations.
- 5. Develop and evaluate student project-based learning activities.
- 6. Demonstrate proficiency with multimedia processes and software tools.

24 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 102 Media Law and Ethics3 units
DGME 103 Thinking Visually: Fu8ndamentals of Two-Dimensional Design3 units
DGME 113 Digital Video Production 3 units
DGME 143 Motion Graphics 3 units
DGME 165 Digital Animation 3 units
DGME 166 Web Authoring: ActionScript3 units
DGME 167 Web Design I: Fireworks3 units
DGME 168 Web Design II: Dreamweaver3 units

cs Digital Media: Multimedia

Upon completion of certificate requirements, students will be able to:

- Describe multimedia concepts at various stages of development relating to the multimedia process and use of appropriate software.
- 2. Demonstrate the ability to work in teams effectively.
- 3. Apply critical thinking and creative problem-solving skills to a variety of multimedia and production cases.
- 4. Employ theoretical knowledge, skills, and attitudes to real world issues / situations.
- 5. Demonstrate proficiency with multimedia processes and software tools.

12 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 113 Digital Video Production 3 un	ıits
DGME 143 Motion Graphics	iits
DGME 165 Digital Animation: Flash3 un	iits
DGME 166 Web Authoring: ActionScript	nits

AA Major in Digital Media: Television Producing

The Television Producing degree prepares students for entry level work as a media producer. This degree focuses on creating regular TV programming, writing, and producing video. Hands-on courses provide training in camera operation, news reporting, video editing and on-air talent, including voiceover and on-camera announcing.

Upon completion of degree requirements, students will be able to:

- 1. Produce television segments that serve target viewers
- 2. Identify possible effects of media productions on audiences

Complete General Education and other requirements listed for the Associate degree and

Major Requirements: 29 semester units

DGME 100 Media in Society 3 units
DGME 101 Writing Across the Media 3 units
DGME 102 Media Law and Ethics3 units
DGME 103 Thinking Visually: Fundamentals of
Two-Dimensional Design3 units
DGME 112 TV Studio Production3 units
DGME 113 Digital Video Production 3 units
DGME 120 Advanced Video and Editing 3 units
DGME 128 On-Air Talent 3 units
DGME 155 Video Journalism 3 units
DGME 255 Portfolio 2 units

AA Major in Digital Media: Web Design

Web designers are responsible for creating the look and feel of World Wide Web pages for a client's website. This involves developing an interface design that effectively communicates the ideas being promoted by the website. A web designer may take part in the initial planning of a website, meeting with the clients to discuss ideas for the layout and organization of the site, and other matters concerning the overall design and accessibility of the site. Web designers may also be involved with programming and project management.

The work environments of web designers include working for large and medium sized corporations, web design and development firms, government agencies, academic organizations, non-profit organizations, and internet companies, or working as independent web designers.

Upon completion of degree requirements, students will be able to:

- 1. Demonstrate web editing software
- 2. Differentiate and construct web graphic formats
- 3. Differentiate the different scripting languages
- 4. Evaluate the limitations of the web
- 5. Know legal and ethical issues

Complete General Education and other requirements listed for the Associate degree and

Major Requirements: 26 semester units

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

CA Digital Media: Web Design

Upon completion of certificate requirements, students will be able to:

- 1. Describe design concepts at various stages of development relating to the design process and use of appropriate software.
- 2. Demonstrate the ability to work in teams effectively.
- 3. Apply critical thinking and creative problem-solving skills to a variety of design and production cases.
- 4. Employ theoretical knowledge, skills and attitudes to real world issues/situations.
- 5. Develop and evaluate student project-based learning activities.
- 6. Demonstrate proficiency with design processes and software tools.

24 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 102 Media Law and Ethics3 units
DGME 103 Thinking Visually: Fundamentals of Two-Dimensional Design
DGME 165 Digital Animation: Flash3 units
DGME 166 Web Authoring: ActionScript3 units
DGME 167 Web Design I: Fireworks3 units
DGME 168 Web Design II: Dreamweaver3 units
DGME 169 Web Design III: CSS3 units
DGME 220 Typography 3 units

cs Digital Media: Web Design/Web Developer

Upon completion of certificate requirements, students will be able to:

- 1. Describe developer concepts at various stages of development relating to the developer process and use of appropriate software.
- 2. Demonstrate the ability to work in teams effectively.
- 3. Apply critical thinking and creative problem-solving skills to a variety of developer and production cases.
- 4. Employ theoretical knowledge, skills, and attitudes to real world issues / situations.
- 5. Demonstrate proficiency with developer processes and software tools.

12 semester units

DGME 165 Digital Animation: Flash 3 units
DGME 166 Web Authoring: ActionScript3 units
DGME 167 Web Design I: Fireworks 3 units
DGME 168 Web Design II: Dreamweaver3 units



AA Major in Digital Media: Web Developer

Web developers are masters at optimizing website structure and interactivity. Web developers develop database tools and custom applications to enable the site to deliver the highest quality experience to the user.

Web developer duties may include programming, markup, scripting, databases, web security, web business management, and web accessibility.

Web developer work environments include working for large and medium sized corporations, web design and development firms, government agencies, academic organizations, non-profit organizations, and internet companies, or working as independent web developers.

Upon completion of degree requirements, students will be able to:

- 1. Demonstrate web editing software
- 2. Differentiate and construct web graphic formats
- 3. Differentiate the different scripting languages
- 4. Evaluate the limitations of the web
- 5. Know legal and ethical issues

Complete General Education and other requirements listed for the Associate degree and

Major Requirements: 33 semester units

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

DGME 102 Media Law and Ethics3 units
DGME 103 Thinking Visually: Fundamentals of
Two-Dimensional Design3 units
DGME 167 Web Design I: Fireworks 3 units
DGME 168 Web Design II: Dreamweaver3 units
DGME 169 Web Design III: CSS3 units
DGME 165 Digital Animation 3 units
DGME 166 Web Authoring: ActionScript3 units
CIS 111 Introduction to Internet Programming 3 units
CIS 114 Internet Programming: JavaScript/Ajax 4 units
DGME 250 Digital Media Practicum3 units
DGME 255 Portfolio2 units

CA Digital Media: Web Developer

Upon completion of certificate requirements, students will be able to:

- 1. Describe developer concepts at various stages of development relating to the developer process and use of appropriate software.
- 2. Describe developer concepts at various stages of development relating to the developer process and use of appropriate software.
- 3. Apply critical thinking and creative problem-solving skills to a variety of developer and production cases.
- 4. Employ theoretical knowledge, skills, and attitudes to real world issues/situations.
- 5. Develop and evaluate student project-based learning activities.
- 6. Demonstrate proficiency with developer processes and software tools.

21 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 102 Media Law and Ethics3 units
DGME 165 Digital Animation: Flash3 units
DGME 166 Web Authoring: ActionScript3 units
DGME 167 Web Design I: Fireworks 3 units
DGME 168 Web Design II: Dreamweaver3 units
DGME 169 Web Design III: CSS3 units
CIS 111 Introduction to Internet Programming 3 units

CA Digital Media: Graphic Production

The Graphic Production certificate prepares students for entry-level work in the visual media industry. The curriculum includes basic visual literacy and visual communication skills, the complete software package necessary for employment, typography, graphic design theory and application, and production classes that provide real-world hands-on learning experiences.

Graphic production is required in print media such as publishing, advertising and package design and in three-dimensional media such as environmental graphics, exhibit or display design, or signage. Graphic production is also a part of electronic media such as television, the web, or multimedia including motion graphics and titling for film and video.

Upon completion of certificate requirements, students will be able to:

- Create original graphic design / web design projects using comprehensive production and business techniques.
- 2. Create an original portfolio in order to pursue employment or college transfer opportunities.
- 3. Collaborate effectively with project team members and industry professionals.
- 4. Demonstrate a holistic understanding and practical ability to complete an industry standard graphic design / web design project from inception to completion.

27 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 211 Media Design I: Illustrator3 units
DGME 212 Media Design II: Photoshop 3 units
DGME 213 Media Design III: Advanced Photoshop
and Illustrator3 units
DGME 220 Typography 3 units
DGME 230 Publication Design and Production
with InDesign3 units
DGME 168 Web Design II: Dreamweaver3 units
DGME 240 Digital Publishing4 units
DGME 250 Digital Media Practicum3 units
DGME 255 Portfolio 2 units

CS Digital Media: Graphic Production

Upon completion of certificate requirements, students will be able to:

- 1. Produce graphic design / web design projects using comprehensive production techniques .
- 2. Demonstrate the ability to communicate effectively to team members or clients regarding graphic design / web design production techniques and solutions.
- Demonstrate a holistic understanding and practical ability to complete production cycles of graphic design / web design projects.

12 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 211 Media Design I: Illustrator3 units
DGME 212 Media Design II: Photoshop 3 units
DGME 230 Publication Design and Production
with InDesign3 units
DGME 168 Web Design II: Dreamweaver3 units

CS Digital Media: Lighting

Upon completion of certificate requirements, students will be able to:

- 1. Create a lighting design for a typical TV studio set.
- 2. Apply aesthetic principles to create a specific mood/tone.
- 3. Demonstrate use of shadow to shape perception.

9 semester units

A grade of "C" or higher is required for each course applied to the certificate.

DGME 103 I NINKING VISUALIY: FUNDAMENTALS OF
Two-Dimensional Design3 units
DGME 112 TV Studio ProductionOR
DGME 113 Digital Video Production 3 units
DGME 130 Lighting for Studio and Field units

CS Digital Media: Television and Radio Broadcasting

Upon completion of certificate requirements, students will be able to:

- 1. Demonstrate developing proficiency in video production.
- 2. Cooperate in and contribute to a team environment.
- 3. Produce a block of radio programming.

15 semester units

DGME 100 Media in Society 3 units
DGME 112 TV Studio Production3 units
DGME 113 Digital Video Production 3 units
DGME 118 Digital Audio Production3 units
DGME 150 Advanced Audio: Radio Production3 units



Replaces History section on page 112

HISTORY

Meet with a CSM counselor to discuss how to achieve academic goals and to develop a comprehensive student educational plan (SEP).

University Transfer Program 60-70 transferable units

California State University University of California Independent Colleges and Universities

AA-T Associate in Science Degree for Transfer/SB1440

History 60 CSU transferable units

University Transfer Program

Use Assist (<u>www.assist.org</u>) to identify lower division major preparation for the California State University and the University of California systems. For independent or out-of-state colleges and universities use their catalogs to locate this information. Transfer Services can assist you to gather this information.

AA-T Major in History

The AA-T major in History prepares students for transfer into bachelor's degree programs in history and similar areas.

History course work in general is helpful to the student who intends to eventually pursue graduate studies in such diverse fields as history, education, and law. Most career opportunities associated with this discipline require the minimum of a B.A. degree. Some business firms and government agencies seek persons with a broad overview and perspective of historical phases and processes of change.

In addition to a career as a historian, career possibilities include anthropologist, antique dealer, archivist, attorney, book dealer, correspondent, customs inspector, college administrator/professor, foreign service officer, fund raiser, librarian, museum curator/technician, news editor, researcher/ research analyst, theologian/clergy member, title examiner, and writer.

Major requirements: 18 semester units.

Complete CSU General Education and major requirements as noted below. A grade of "C" or higher is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Required Core Courses:

HIST 100 Western Civilization I 3 units
HIST 101 Western Civilization II 3 units
HIST 201 United States History I3 units
HIST 202 United States History II3 units

Plus, two courses, one from each group (6 units):

Group A: Any diversity course defined as: HIST 260 Women in American History 3 units ETHN 101 Introduction to Ethnic Studies I 3 units ETHN 102 Introduction to Ethnic Studies II...... 3 units ETHN 440 Cultural Experience of Asian-American Writers 3 units SPAN 110 Elementary Spanish5 units SPAN 111 Elementary Spanish I...... 3 units SPAN 112 Elementary Spanish II 3 units SPAN 120 Advanced Elementary Spanish 5 units SPAN 121 Advanced Elementary Spanish I.....3 units SPAN 122 Advanced Elementary Spanish II...... 3 units SPAN 130 Intermediate Spanish.....5 units CHIN 111 Elementary Chinese I....... 3 units CHIN 112 Elementary Chinese II 3 units CHIN 121 Advanced Elementary Chinese I....... 3 units CHIN 122 Advanced Elementary Chinese II......3 units CHIN 131 Intermediate Chinese I 3 units

Group B: Any history course or any non-history course from the humanities or social sciences related to history articulated as fulfilling CSU GE Area C or D or any introductory level social science course articulated as fulfilling CSU GE Area D:

CHIN 132 Intermediate Chinese II3 units

SOCI 100 Introduction to Sociology 3 units
SOCI 105 Social Problems 3 units
SOCI 110 Courtship, Marriage and Family3 units
SOCI 141 Race and Ethnic Relations3 units
SOCI 200 Urban Sociology 3 units
SOCI 340 Human Sexuality3 units
DGME 100 Media and Society3 units
DGME 102 Media Law and Ethics3 units

General Education requirements:

Select courses to complete CSU General Education OR IGETC for CSU. This degree does not require the CSM AA/AS General Education pattern on pages 64 & 65 of the 2012-13 Catalog.

CSU GE:

Area A1 Oral Communication 3 units
Area A2 Written Communication3 units
Area A3 Critical Thinking3 units
Area B1 Physical Science3 units
Area B2 Life Science3 units
Area B3 Science Lab1 unit
Area B4 Math Concepts3 units
Area C1 Arts3 units
Area C2 Humanities3 units
Area C1 or C23 units
Area D Social, Political, and Economic Institutions 9 units
Area E Lifelong Understanding3 units
OR

IGETC/CSU:

Area 1A English Composition	. 3 units
Area 1B Critical Thinking/Composition	. 3 units
Area 1C Oral Communication	. 3 units
Area 2 Math Concepts	. 3 units
Area 3A Arts	. 3 units
Area 3B Humanities	. 3 units
Area 3A or 3B	. 3 units
Area 4 Social and Behavioral Science	. 9 units
Area 5A Physical Science	. 3 units
Area 5B Biological Science	. 3 units
Area 5C Science Lab - Either 5A or 5B must	
have a lab component	4 unit

Electives:

Additional CSU transferable courses based on student interest to reach 60 units total.

Replaces AA-T Major in Kinesiology section on page 115

KINESIOLOGY

AA-T Major in Kinesiology

Upon completion of degree requirements, students will be able to:

- 1. Demonstrate a working knowledge of body mechanics as it relates to physical activity, fitness and health.
- 2. Explain the impact of physical activity and inactivity on fitness and health.

Major requirements: 20-24 semester units

Group A: Complete the following courses (15 units):

The AA-T major in Kinesiology prepares students for transfer into bachelor's degree programs in kinesiology and similar areas.

Complete CSU General Education and major requirements as noted below. A grade of "C" or higher is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

FITN 334 Yoga o.5 or 1 unit
FITN 335 Pilateso.5 or 1 unit
FITN 338 Yoga/Pilates Fusion o.5 or 1 unit
FITN 339 Pilates Circuit Training o .5 or 1 unit
Individual Sports:
INDV 120 Badminton o.5 or 1 unit
INDV 251 Beginning Tennis o.5 or 1 unit
INDV 252 Beginning/Intermediate Tennis 0.5 or 1 unit
INDV 254 Intermediate Tennis o.5 or 1 unit
Team Sports: TEAM 110 Basketball
TEAM 148 Indoor Soccer 0.5 or 1 unit
Group B: Select two courses from the following (5-9 units)
MATH 200 Elementary Probability and Statistics4 units
BIOL 100 Introduction to the Life Sciences 3 units
BIOL 195 Biology Field Laboratory1 unit
CHEM 210 General Chemistry 5 units
PHYS 210 General Physics 4 units
KINE 120 First Aid/CPR1 unit
General Education requirements:
Select courses to complete CSU General Education OR IGETC or CSU. $ \label{eq:csu} % \begin{subarray}{ll} \end{subarray} \begin{subarray}$
This degree does not require the CSM AA/AS General Education pat-
tern on pages 64 and 65 of the 2012-13 Catalog.
CSU GE:
Area A1: Oral Communication3 units
Area A2 Written Communication3 units
Area A3 Critical Thinking3 units
Area B1 Physical Science3 units
Area B2 Life Science3 units
Area B3 Science Lab1 unit
Area B4 Math Concepts3 units
Area C1 Arts3 units
Area C2 Humanities3 units
Area C1 or C23 units
Area D Social, Political, and Economic Institutions 9 units
Area E Lifelong Understanding3 units
OR
OR <u>IGETC/CSU:</u>
IGETC/CSU:
IGETC/CSU: Area 1A English Composition
IGETC/CSU: Area 1A English Composition
IGETC/CSU: Area 1A English Composition 3 units Area 1B Critical Thinking/Composition 3 units Area 1C Oral Communication 3 units
IGETC/CSU: Area 1A English Composition 3 units Area 1B Critical Thinking/Composition 3 units Area 1C Oral Communication 3 units Area 2 Math Concepts 3 units
IGETC/CSU: Area 1A English Composition 3 units Area 1B Critical Thinking/Composition 3 units Area 1C Oral Communication 3 units Area 2 Math Concepts 3 units Area 3A Arts 3 units

Area 5A Physical Science3 units
Area 5B Biological Science3 units
Area 5C Science Lab - Either 5A or 5B
must have a lab component1 unit

Electives:

Additional CSU transferable courses based on student interest to reach 60 transferable units total.



Replaces AS Major in Physics section on page 128

PHYSICS

AS Major in Physics

Upon completion of degree requirements, students will be able to:

- 1. Apply the Laws of Physics to real-world problems
- 2. Collect and analyze data to verify physical principles
- 3. Be prepared for upper division course at a 4-year college

Complete General Education and other requirements listed for the Associate degree and

Major requirements: 18 semester units

PHYS 250 Physics with Calculus I 4 units
PHYS 260 Physics with Calculus II4 units
PHYS 270 Physics with Calculus III4 units
Plus, 6 units selected from the following courses:
CHEM 210 General Chemistry I 5 units
CHEM 220 General Chemistry II 5 units
CHEM 231 Organic Chemistry I 5 units
CHEM 232 Organic Chemistry II5 units
CIS 255 Programming Methods: Java4 units
CIS 278 Programming Methods: C++ 4 units
MATH 200 Elementary Probability and Statistics 4 units
MATH 251 Calculus with Analytic Geometry I 5 units
MATH 252 Calculus with Analytic Geometry II5 units
MATH 253 Calculus with Analytic Geometry III5 units
MATH 270 Linear Algebra 3 units
MATH 275 Ordinary Differential Equations3 units