New Transfer Degrees

Degree and Transfer Programs

Updated 9/4/2012

Associate in Arts Degree for Transfer (AA-T) and Associate in Science Degree for Transfer (AS-T) to CSU

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

The degree requires completion of:

- A minimum of 60 CSU-transferable units (courses numbered 1-99)
- A minimum grade point average (GPA) of 2.0 Must be obtained in all CSU-transferable coursework completed at PCC and in comparable courses at other regionally accredited institutions. While a minimum 2.0 Is required for admission, some majors may require a higher GPA.
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major as detailed in the catalog or addenda. All courses in the major must be completed with a grade of C or better or a "P" if the course is taken on a Pass/No Pass basis.
- At least 15 units of the required 60 units, must be completed at PCC. No more than 6 units may be transferred from another college if earned after the student's last enrollment at PCC.
- Certified completion of the CSU General Education-Breadth, see page 90 or the Intersegmental General Education Transfer Curriculum (IGETC), see page 89.

Business Administration

This program provides an opportunity for students to earn an Associate in Science in Business Administration for Transfer while preparing to transfer as an upper division student to a four-year college or university. For those students considering a career in business, a baccalaureate degree is necessary. However, the attainment of an Associate in Science in Business Administration for Transfer will demonstrate commitment to the field and the student's ability to complete an educational goal. An Associate in Science in Business Administration for Transfer is awarded for satisfactory performance in major courses, as well as completion of general education and graduation requirements

In doing so, students will acquire the knowledge and skills necessary to transfer to an upper-division Business program at a California State University. Given the uniqueness of each CSU campus, completion of the Associate in Science in Business Administration for Transfer will also prepare students for the various options under business administration such as; Business Law, Management, Accounting, Finance, and Marketing to name a few.

The Associate in Science in Business Administration for Transfer degree will be awarded upon completion of coursework totaling 60 California State University (CSU) transferable units. The degree requirements include the 27-29 major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better. (Students completing this degree are not required to fulfill additional PCC graduation requirements)

Associate in Science in Business Administration Degree

REQUIRED COURSES (17 UNITS)

ACCTG 1A - FINANCIAL ACCOUNTING (4)

ACCTG 1B - MANAGERIAL ACCOUNTING (4)

ECON 1A - PRINCIPLES OF ECONOMICS (3)

ECON 1B - PRINCIPLES OF ECONOMICS (3)

BUS 12A - BUSINESS LAW (3)

LIST A: SELECT 1 COURSE FROM BELOW (4 UNITS)

BUS 14B - MATHEMATICAL ANALYSIS FOR BUSINESS â€" CALCULUS (4)

STAT 15 - STATISTICS FOR BUSINESS AND ECONOMICS (4)

STAT 50 - ELEMENTARY STATISTICS (4)

MATH 22 - FINITE MATH (4)

LIST B: SELECT 2 COURSES FROM BELOW OR ANY COURSE FROM LIST A NOT ALREADY USED (5-8 UNITS)

 BIT 25 - SURVEY OF COMPUTER TECHNOLOGY IN BUSINESS (3)

CIS 1 - INTRODUCTION TO COMPUTERS (3)

CIS 10 - INTRODUCTION TO INFORMATION SYSTEMS (5)

BUS 9 - INTRODUCTION TO BUSINESS (3)

BUS 11A - BUSINESS COMMUNICATIONS (3)

REQUIRED SUBTOTAL .... **27 - 29**
CSU General Education or IGETC Pattern... 39-41
CSU transferrable units to meet 60 unit maximum for degree .... 1 - 3

DEGREE TOTAL **60**

Student Learning Outcomes:

1. Demonstrate a productive working knowledge of the basic functions of a business enterprise, including: accounting, entrepreneurship, economics, business law, finance, human resource management, ethics and marketing.

2. Demonstrate an understanding of the communication process in a business and professional setting, including: written, oral, non-verbal, electronic, and active listening.

Associate in Arts in English for Transfer

The Associate in Arts in English for Transfer Degree introduces students to a wide range of literary expression while grounding them in the core skills of writing, literary analysis, and critical thinking necessary for success as English majors at a transfer university.

English majors enroll in core classes in the methods of literary study and then take survey courses which expose them to a range of types and styles of literature. Students complete the program by choosing among English courses on genres, ethnic literature, special topics in literature, film, and creative writing. Aside from being well prepared to continue their studies, students who complete the Associate in Arts in English for Transfer Degree at PCC will be informed and skilled in ways which will help them negotiate their place in a changing world.

The Associate in Arts in English for Transfer Degree will be awarded upon completion of coursework totaling 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better. (Students completing this degree are not required to fulfill additional local graduation requirements.)

Associate in Arts in English for Transfer Degree

REQUIRED CORE: 8 UNITS

ENGLISH 1B - READING AND COMPOSITION (4)

ENGLISH 1C - INTERMEDIATE COMPOSITION-CRITICAL THINKING AND ARGUMENT (4)

LIST A: SELECT ANY TWO COURSES (6 UNITS)

ENGLISH 30A - AMERICAN LITERATURE (3)

ENGLISH 30B - AMERICAN LITERATURE (3)

ENGLISH 30C - AMERICAN LITERATURE (3)

ENGLISH 46A - ENGLISH LITERATURE (3)

ENGLISH 46B - ENGLISH LITERATURE (3)

ENGLISH 44A - WORLD LITERATURE: ANTIQUITY TO 1500 (3)

ENGLISH 44B - WORLD LITERATURE: 1500 TO 1800 A.D. (3)

ENGLISH 44C - WORLD LITERATURE: 1800 TO MID-20TH CENTURY (3)

ENGLISH 53 - INTERPRETING POETRY (3)

ENGLISH 60 - MASTERPIECES OF DRAMA (3)

ENGLISH 61 - INTRODUCTION TO THE NOVEL (3)

LIST B: SELECT ONE COURSE FROM BELOW (3 UNITS)

ENGLISH 5A - CREATIVE WRITING (3)

ENGLISH 6 - SHORT STORY WRITING (3)

ENGLISH 8 - WRITING POETRY (3)

ENGLISH 9 - CREATIVE NONFICTION (3)

ENGLISH 47 - MEXICAN AND CHICANO LITERATURE (3)

ENGLISH 50 - AFRO-AMERICAN LITERATURE (3)

ENGLISH 52 - ASIAN-AMERICAN LITERATURE (3)

ENGLISH 78A - INTRODUCTION TO SHAKESPEARE (3)

ENGLISH 78B - INTRODUCTION TO SHAKESPEARE (3)

LIST C: SELECT ONE COURSE FROM BELOW (3 UNITS)

ENGLISH 5B - CREATIVE WRITING (3)

ENGLISH 7 - INSCAPE MAGAZINE PUBLICATION (3)

ENGLISH 24 - A LITERATURE IN TRANSLATION (3)

ENGLISH 25A - INTERPRETING MODERN LITERATURE (3)

ENGLISH 25C - WOMEN IN LITERATURE (3)

ENGLISH 25D - SCIENCE FICTION AND FANTASY (3)

ENGLISH 25E - LITERATURE OF HORROR GOTHIC NOVEL (3)

ENGLISH 25F - COMEDY AND LITERATURE (3)

ENGLISH 25G - MYSTERY AND CRIME FICTION (3)

ENGLISH 25H - AMERICAN JOURNEYS (3)

ENGLISH 25I - POST-COLONIAL LITERATURES (3)

ENGLISH 25J - UTOPIAN DYSTOPIAN LITERATURE (3)

ENGLISH 26 - INTRODUCTION TO LITERATURE THEORY AND CRITICISM (3)

ENGLISH 34 - MAJOR NOVELIST (3)

ENGLISH 35 - MAJOR DRAMATIST (3)

ENGLISH 36 - MAJOR POET (3)

ENGLISH 37 - MAJOR CRITIC (3)

ENGLISH 45A - LITERATURE OF THE BIBLE (3)

ENGLISH 45B - LITERATURE OF THE BIBLE (3)

ENGLISH 48 - ASIAN LITERATURE (3)

ENGLISH 49A - FILM AS DRAMATIC LITERATURE (3)

ENGLISH 49B - FILM AS DRAMATIC LITERATURE (3)

ENGLISH 51 - NATIVE AMERICAN MYTHOLOGY AND LITERATURE (3)

ENGLISH 54 - CALIFORNIA LITERATURE (3)

ENGLISH 57 - MODERN DRAMA (3)

ENGLISH 59 - CHILDREN'S LITERATURE (3)

ENGLISH 82A - INTRODUCTION TO MYTHOLOGY (3)

ENGLISH 82B - INTRODUCTION TO MYTHOLOGY (3)

ENGLISH 82C - INTRODUCTION TO MYTHOLOGY (3)

REQUIRED SUBTOTAL **20**
CSU General Education or IGETC Pattern 39-41
Transferable Electives (as needed to reach 60 transferable units)

DEGREE TOTAL **60**

Student Learning Outcomes:

1. Demonstrate sensitivity to and an analytical grasp of the nuances of literary language.
2. Demonstrate critical thinking skills, specifically in relation to poetry, drama, fiction, or other types of literature.
3. Demonstrate an understanding of the ways that literature helps to illuminate the human condition.
4. Demonstrate reading skills relevant to literary study.
5. Demonstrate writing skills relevant to literary study.

Associate in Science in Physics for Transfer

The Associate in Science in Physics for Transfer provides a foundation in Physics necessary for continued training at the upper division level for Physics majors. It also provides a foundation for majors in physical science, math, engineering and computer science. It is a starting point for students who are preparing for careers in education, geoscience research, and government, where scientific and technical skills are in great demand.

The Associate in Science in Physics for Transfer degree will be awarded upon completion of coursework totaling 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better. (Students completing this degree are not required to fulfill additional PCC graduation requirements)

Associate in Science in Physics for Transfer Degree

REQUIRED COURSES (25 UNITS)

PHYS 1A - GENERAL PHYSICS (5)

PHYS 1B - GENERAL PHYSICS (5)

PHYS 1C - GENERAL PHYSICS (5)

MATH 5A - CALCULUS (5)

MATH 5B - CALCULUS (5)

REQUIRED SUBTOTAL **25**
CSU General Education or IGETC Pattern 39

DEGREE TOTAL **60**

Student Learning Outcomes:

1. Develop theories and solve problems using lower division - level knowledge of mechanics, heat, waves, optics, and electricity.
2. Use common laboratory instruments to make measurements in mechanics, heat, waves, optics, and electricity.
3. Clearly and succinctly report the result of experiments in a clear and technically correct manner.

NEW COURSES

Business and Computer Technology

BIT 117   COLLABORATIVE WEB-BASED WORKSPACES
1 unit
Introduction to Web-based collaborative workspace software to enhance work, data, and content collaboration in a business environment. Emphasis on workspace sites, content publication, lists, discussion board, libraries, surveys, tracking tasks, blogs, wikis, Web parts, customization, templates, managing users and permissions. Projects include the design and creation of customized workspaces to solve specific business needs. **Recommended** BIT 107. **Maximum credit** 2 units, 1 unit each semester. Total of 9 hours lecture and 27 hours laboratory.

FASH 126   HISTORICAL COSTUME MAKING
3 units
Prerequisite: *Fash 1A*
Historical costume construction using industrial sewing techniques suitable for costume shop and wardrobe. Samples demonstrating theatrical construction skills for historical costume periods. Analysis of script needs and historical research. Preparation of a sample costume and notebook. **Recommended** Fash 5, Fash 124. Total of 36 hours lecture and 72 hours laboratory.

Health Sciences

GERO 1   INTRODUCTION TO GERONTOLOGY
3 units
Overview of the field of gerontology. Includes a multidisciplinary examination of how human aging is understood, including demographic trends, basic theories, concepts and philosophic ideas, social policies, planning issues, and services available to meet the needs and problems of older adults. **Recommended:** Engl 1A. Total of 54 hours of lecture.
Transfer Credit: CSU

GERO 22   DIRECTED STUDIES IN GERONTOLOGY
3 units
Prerequisite: *GERO 1*
The Directed Studies course is a grouping of short seminars designed to provide students with the latest ideas in a specific area of concentration. The course content is thematic in nature and each seminar within the course differs from other offerings in the same course. Total of 54 hours lecture.
Transfer Credit: CSU

Languages

LING 20   INDEPENDENT STUDY
1 unit
Individual linguistics projects, such as portfolios, written reports, and research papers. **Maximum credit** 3 units, 1 unit each semester. Total of 54 hours laboratory.
Transfer Credit: CSU; UC under review

Performing and Communication Arts

TVR 144   DIGITAL NON-LINEAR ASSISTANT EDITING
Introductory theory and application of assistant editing techniques using the Avid Editing System. Study and practical application of the assistant editing process. System setup, project setup, various inputting techniques, transcoding, project organization skills, various online mixing, exporting and outputting skills and techniques. Total of 36 hours lecture and 54 hours lecture.

Social Sciences

ANTHR 3L INTRODUCTION TO ARCHAEOLOGICAL LABORATORY METHODS
2 units
Prerequisite: *ANTHR 3*
An introduction to the concepts and methodologies used by archaeologists to examine varied types of archaeological materials. Basic instruction in artifact handling, identification, classification, cataloging, analysis, and curation. **Maximum credit** 4 units, 2 units each semester. Total of 18 hours lecture and 54 hours laboratory.
Transfer Credit: CSU; UC credit under review.

ANTHR 6 ORIGINS OF CIVILIZATION
3 units
Introduction to the origins and development of human culture, from the beginning of tool use to the rise of civilization and the origins of the modern state. An archaeological exploration of some of the most prominent ancient sites and civilizations from both the Old and New Worlds. Topics include early tool use, the domestication of plants and animals, the emergence of metallurgy, advent of writing, early village life, and rise of complex social and political systems (civilizations). Total of 54 hours lecture.
Transfer Credit: CSU; UC credit under review.

CHDV 14 OBSERVATION AND ASSESSMENT OF YOUNG CHILDREN
3 units
Prerequisite: *CHDV 10 and Psych 21*
This course focuses on the appropriate use of assessment and observation strategies to document development, behavior, growth, play and learning in order to join with families and professionals in promoting children's success and maintaining quality programs. Recording strategies, rating systems, portfolios, and multiple assessment methods are explored. Child/student observations will be conducted and analyzed. **Recommended** CHDV 13A and 20. Total of 54 lecture hours.
Transfer Credit: CSU; UC credit under review.

MODIFIED COURSES

BUSINESS AND COMPUTER TECHNOLOGY

CHANGE – TITLE, Modify DISTANCE EDUCATION BIT 123
BUSINESS SOFTWARE – MICROSOFT EXPRESSION WEB AND PUBLISHER
3 units
Recommended Preparation: *BIT 107, BIT 128A, and BIT 11A.*
Use and features of office publication software to create newsletters, brochures, flyers and business stationery. Creation of Web sites suitable for publication on the World Wide Web. Overview of issues and methods dealing with Web page development. Total of 54 hours lecture and 18 hours laboratory.

CHANGE – PREREQUISITES, CATALOG DESCRIPTION, HOURS, REPEATABILITY
BUS 170   BUSINESS INTERNSHIP
3 units
Supervised work experience in a business organization.
Maximum credit 9 units, 3 units each semester. Total 270 hours laboratory.

CHANGE – PREREQUISITES (Delete prerequisites), TITLE
CIS 30   NETWORKS AND TELECOMMUNICA-TIONS
3 units
Introduction to network applications; fundamental communication concepts; data communication hardware; protocols and software; microcomputers and communications; network configurations, management and security. Total of 90 hours lecture.
Transfer Credit: CSU

CHANGE – ASSIGNMENTS, TEXTBOOKS
CIS 36   INTRODUCTION TO VISUAL BASIC
3 units
Prerequisite: *CIS 10*
An introduction to programming using Visual Basic. Coverage will include: programming design tools, use of variables and constants, selection, looping, data validation, sub and function procedures, manipulating strings, and creating and accessing arrays. Also presented will be guidelines for application and user interface design and data file manipulation. Total of 54 hours lecture and 36 hours laboratory.
Transfer Credit: CSU; UC

CHANGE – PREREQUISITE (Add CIS 16), CATALOG DESCRIPTION
CIS 74   INTRODUCTION TO OBJECT ORIENTED SYSTEMS ANALYSIS AND DESIGN
3 units
Prerequisite: *CIS 16 and CIS 62*
Introduction to object-oriented systems analysis and design using unified modeling language (UML). Design solutions using the system development life cycle; determination of information system requirements. Use cases, use case diagrams, domain models, interaction diagrams, and design class

diagrams. Total of 90 hours lecture.
Transfer Credit: CSU

CHANGE – Add DISTANCE EDUCATION (no modification to catalog description)
BIT 11A   COMPUTER KEYBOARDING AND DOCUMENT PROCESSING
BIT 11B   ADVANCED COMPUTER KEYBOARDING AND DOCUMENT PROCESSING
BIT 25   SURVEY OF COMPUTER TECHNOLOGY IN BUSINESS
BIT 100   WORD PROCESSING BASICS
BIT 102   SPREADSHEET BASICS
BIT 104   BUSINESS SOFTWARE – ADVANCED MICROSOFT EXCEL
BIT 105A   BUSINESS SOFTWARE – MICROSOFT ACCESS LEVEL 1
BIT 105B   BUSINESS SOFTWARE – MICROSOFT ACCESS LEVEL 2
BIT 106   BUSINESS SOFTWARE – COMPREHENSIVE MICROSOFT OFFICE SYSTEM
BIT 107   BUSINESS SOFTWARE – WINDOWS
BIT 108   MICROSOFT OUTLOOK AND PRODUCTIVITY TOOLS
BIT 109   BUSINESS SOFTWARE – MICROSOFT POWERPOINT
BIT 122   INTERNET RESEARCH AND OFFICE COMMUNICATIONS
BIT 124   ADMINISTRATIVE BUSINESS PROCEDURES
BIT 128B   BUSINESS SOFTWARE-MICROSOFT WORD LEVEL 2
BUS 11A   BUSINESS COMMUNICATIONS

CHANGE – Modify DISTANCE EDUCATION (no modification to catalog description)
BIT 10   BASIC COMPUTER KEYBOARDING
BIT 113   KEYBOARDING FOR SPEED AND ACCURACY
BIT 115   BUSINESS RECORDS SKILLS
BIT 132   BUSINESS SOFTWARE – ADVANCED MICROSOFT ACCESS
BIT 133A   BUSINESS SOFTWARE – MICROSOFT EXCEL LEVEL 1
BIT 133B   BUSINESS SOFTWARE – MICROSOFT EXCEL LEVEL 2

CHANGE – CATALOG DESCRIPTION
FASH 1A   FASHION SURVEY
3 units
Introduction to clothing construction. Orientation to fashion careers, aptitude to fashion, life skills, time management, and education planning. Industrial sewing equipment, tools, and materials will be used to produce samples of elementary level garment construction as foundation to the understanding of pattern construction, fashion design, manufacturing and production. Industry research will include orientation to online research. Preparation of a tech pack. **Recommended** Fash 2. Total of 36 hours lecture and 72 hours laboratory.
Transfer Credit: CSU

CHANGE – PREREQS (Add FASH 2, 5, 21, 110; Delete FASH 108
FASH 1B   INTERMEDIATE CLOTHING CONSTRUCTION
3 units
Prerequisites: *Fash 1A, Fash 5, Fash 110, Fash 2, Fash 21*
Apparel construction using industrial sewing techniques. Samples and garments demonstrating intermediate apparel construction skills for womenswear, sportswear, and knits. Total of 36 hours lecture and 72 hours laboratory.

Transfer Credit: CSU
CHANGE – PREREQS (Add FASH 108), Remove RECOMMENDED PREP
FASH 1C   ADVANCED CLOTHING CONSTRUCTION
3 units
Prerequisites: *Fash 1B, Fash 108*
Advanced construction methods and techniques. Evaluation and implementation of solutions to advanced clothing construction problems in tailoring, couture and alterations. Total of 36 hours lecture and 72 hours laboratory.
Transfer Credit: CSU

CHANGE – CATALOG DESCRIPTION
FASH 2   INTRODUCTION TO FASHION INDUSTRY
3 units
Factors and concepts that affect fashion development, design, apparel production, marketing, distribution, retail merchandising, promotion and the consumer. Understanding nomenclature and forms of commun-ication specific to the fashion industry. Survey of career opportunities in the apparel industry. **No credit** if taken after Fash 101. Total of 54 hours lecture.
Transfer Credit: CSU

CHANGE – COURSE NUMBER (from FASH 107A), PREREQUISITES (Add FASH 2; Delete FASH 108), CATALOG DESCRIPTION
FASH 5   PATTERN DRAFTING
3 units
Prerequisites: *Fash 1A, Fash 2*
Drafting basic patterns. Flat pattern manipulation for a variety of designs. Construction of basic sloper and selected samples. Introduction to the application of computer patternmaking. **Recommended** Fash 21 and Fash 110. **No credit** if taken after Fash 107A. Total of 36 hours lecture and 72 hours laboratory. **Formerly** Fash 107A.
Transfer Credit: CSU; UC credit under review.

CHANGE – CATALOG DESCRIPTION
FASH 21   PRINCIPLES OF FASHION
3 units
Analysis of apparel, color selection, design principles and concepts. The study of trend development, fashion influences, image and design applications for the target customer. The interrelationships among social, psychological, cultural, economic, aesthetic and physical factors in apparel with also be part of this study. Total of 54 hours lecture.
Transfer Credit: CSU

CHANGE – COURSE NUMBER (from Fash 107B), PREREQUISITES (Add FASH 5, 108, 111A), CATALOG DESCRIPTION
FASH 105   INTERMEDIATE FASHION DRAFTING AND DRAPING
3 units
Prerequisites: *Fash 1B, 5, 108, 111A*
Intermediate patternmaking by drafting, flat pattern manipulation, and draping on dress forms. Development of pant and tailoring slopers. Construction of pants and tailored samples of intermediate difficulty. Computer concepts relating to the development of sleeve slopers and tech packs. **No credit** if taken after Fash 107B. Total of 36 hours lecture and 72 hours laboratory. **Formerly** FASH 107B.

CHANGE – COURSE NUMBER (from Fash 107C), PREREQUISITES (Add Fash 5, 108, 111A), CATALOG DESCRIPTION
FASH 106   ADVANCED PATTERN DRAFTING AND DRAPING
3 units
Prerequisites: *Fash 1B, Fash 5, Fash 108, Fash 111A*
Patternmaking by flat pattern manipulation and draping on dress forms. Development of production patterns. Construction of samples with an emphasis on knitwear. Computer applications in grading the pattern size. **No credit** if taken after Fash 107C. Total of 36 hours lecture and 72 hours laboratory. **Formerly** FASH 107C.

CHANGE – PREREQUISITES (Add Fash 5) , CATALOG DESCRIPTION
FASH 108   PATTERNMAKING BY DRAPING
3 units
Prerequisites: *Fash 1A, Fash 5*
Designs created by draping on dress forms. Patternmaking from completed drapes. Construction of basic slopers and samples. Preparation of tech packs and design room documents. **Maximum credit** 6 units, 3 units each semester. Total of 36 hours lecture and 72 hours laboratory.

CHANGE – PREQEQUISITES (Add Fash 2) RECOMMENDED PREPARATION (Add Fash 21), CATALOG DESCRIPTION, COURSE CONTENT
FASH 110   FASHION ILLUSTRATION
3 units
Prerequisite: *Fash 2*
Recommended Preparation: *Fash 1A, Fash 21*
Digital and manual drawing techniques for the fashion industry. Emphasis on the rendering of apparel, texture and color of fabric. Digital color media will be explored to recreate accurate textile representations. Production flat drafting and accurate garment sketches showing exact proportions and measurements. Presentation materials and portfolio techniques will be explored. Total of 36 hours lecture and 72 hours laboratory.

CHANGE – PREREQUISITES (Add Fash 2, 21), Remove RECOMMENDED PREP
FASH 111A   INTRODUCTION TO FASHION DESIGN
3 units
Prerequisites: *Fash 1A, 2, 21, and Fash 110*
Fashion design concepts involving research. Trend prediction, fashion influences, target customer buying trends and trade publications will be utilized in the production of fashion designs that focus on a specific category, season, price range and target customer. Influences such as historical costume, ethnic clothing and textiles, military uniforms and fine art will be researched and the results applied to create original fashion designs. Artwork will take several forms suitable for inclusion in final portfolio: full color renderings, presentation boards, line pages, and sales portfolios. Emphasis will be on women's and junior's apparel, with some discussion on men's, children's and boy's apparel. Total of 36 hours lecture and 72 hours laboratory.

CHANGE – PREREQUISITES (Add Fash 5; Delete Fash 115, 107B), CATALOG DESCRIPTION
FASH 111B   INTERMEDIATE FASHION DESIGN
3 units
Prerequisites: *Fash 111A, FASH 5*
Study of design applications related to category, target customer, and commercial producers of fashion apparel. Creation of apparel lines, using CAD technology to create tech packs, line pages and full-color illustrations. Additional work may include sample garments and patterns. All projects are suitable for inclusion in final portfolio, both digital and hard copy. Total of 36 hours lecture and 72 hours laboratory.

CHANGE – PREREQUISITES (Add Fash 108, delete Fash 107C), Remove RECOMMENDED
FASH 111C   ADVANCED FASHION DESIGN
3 units
Prerequisites: *Fash 111B, Fash 108*
Development of a professional-quality portfolio. Preparation of a resume. Design and create sample garments as shown in the portfolio. Attend an internship to observe and experience on-the-job practices creating a term project as a result of this experience. Total of 36 hours lecture and 72 hours laboratory.

CHANGE – COURSE TITLE, PREREQUISITES (Add Fash 110), CATALOG DESCRIPTION, COURSE CONTENT
FASH 115   INTERMEDIATE COMPUTER-ASSISTED FASHION GRAPHICS
2 units
Prerequisite: *Fash 110*
Intermediate fashion drawing, production flats, colorization, and scanning of images using the computer. Exploration of computer techniques and methods suitable for use in the apparel industry design room. Processes will apply to design courses and will utilize skills learned in previous Fashion department courses. Adobe Illustrator and Photoshop will be used as the vehicle for these processes. **Recommended** Fash 1A, Fash 2, Fash 21, and Fash 111A. Total of 36 hours lecture and 36 hours laboratory.

CHANGE – PREREQUISITES (Add Fash 5, 111B), Remove RECOMMENDED PREP
FASH 130   FASHION WORKSHOP
3 units
Prerequisites: *Fash 108, Fash 5, Fash 111B*
Creation of a fashion line from design through pattern making, construction and finishing. Pattern charts, costing, and spec sheets will be part of the process, as well as portfolio preparation. **Maximum credit** 6 units, 3 units each semester. Total of 36 hours lecture and 72 hours laboratory.

COUNSELING

CHANGE – COURSE NUMBER (from COUN 103 to COUN 13), COURSE TITLE, CATALOG DESCRIPTION, COURSE CONTENT, TRANSFERABILITY
COUN 13   PEER MENTORING SKILLS
3 units
Principles and practices of peer mentoring fellow students new to the college setting. Practice basic helping skills along with learning how to utilize knowledge of higher education, matriculation and college success strategies. **No credit** if taken after Coun 103. Total of 54 hours lecture. **Formerly** Coun 103.
Transfer Credit: CSU; UC under review

ENGLISH

CHANGE – Add DISTANCE EDUCATION (no change to catalog description)
ENGL 1A   READING AND COMPOSITION

ENGL 5A   CREATIVE WRITING
ENGL 8   WRITING POETRY

LANGUAGES

CHANGE – Add DISTANCE EDUCATION (no modification to catalog description)
ESL 410B INTERMEDIATE GRAMMAR REVIEW
1 unit

Mathematics

CHANGE — DESCRIPTION, UNITS, HOURS, PREREQS (Add MATH 7A), CONTENT
MATH 22   DISCRETE MATHEMATICS
4 units
Prerequisite: *Math 3 or Math 7A or CS 2 or placement based on the Math assessment process.*
Study of finite mathematical systems. Includes set theory logic, combinatorics, relations and functions, matrix algebra, Boolean algebra, recursion, graph theory. **For** mathematics and computer science majors, but open to all qualified students. Total of 90 hours lecture.
Transfer Credit: CSU; UC

NATURAL SCIENCES

CHANGE – CATALOG DESCRIPTION
ENVS 2   HUMAN IMPACT ON THE ENVIRONMENT
3 units
Interaction of human populations with local and global environments. Interrelationships of ecosystem and biosphere components. **No credit** if taken after Envs 1, Biol 36 or Geog 10. Total of 54 hours lecture.
Transfer Credit: CSU; UC credit under review.

PERFORMING AND COMMUNICATION ARTS

CHANGE – PREREQUISITE (Add MUSIC 96A, Delete MUSIC 96B)
MUSIC 96C   MUSIC RECORDING & PRODUCTION WORKSHOP
3 units
Prerequisite: *Music 96A*
Strategies for mixing pre-recorded, multi-track music. Critical listening, musical aesthetics of recorded music. Room acoustics for critical listening. Extensive use of equalizers, dynamics and time-based effects. Advanced signal routing. Extensive hands-on projects. **Maximum credit** 6 units, 3 units each semester. Total 54 hours lecture and 36 hours laboratory.
Transfer credit: CSU

CHANGE – PREREQUISITE (Add DANCE 9A), Remove RECOMMENDED PREP)
DANCE 9B   INTERMEDIATE MODERN DANCE
1 unit
Prerequisite: *Dance 9A*
Creative and traditional modern dance techniques with continuing emphasis on developing the body as a expressive instrument. Exploration, analysis and organization of essential elements utilized in the art and craft of modern dance. Experiments of increasing complexity (movement, design and structure). **Maximum credit** 2 units, 1 unit each semester. Total of 54 hours laboratory.
Transfer Credit: CSU; UC credit limitations. See counselor.

CHANGE – PREREQUISITE (Add DANCE 9B), Remove RECOMMENDED PREP
DANCE 9C   ADVANCED MODERN DANCE
1 unit
Prerequisite: *Dance 9B*
Advanced techniques and continued exploration of elements of modern dance. **Maximum credit** 2 units, 1 unit each semester. Total of 54 hours laboratory.
Transfer Credit: CSU; UC credit limitations. See counselor.

CHANGE – PREREQUISITE (Add DANCE 11A), Remove RECOMMENDED PREP
DANCE 11B   INTERMEDIATE BALLET
1 unit
Prerequisite: *Dance 11A*
Development and maintenance of balance, flexibility, strength and stamina through the execution of ballet techniques. Analysis of movement, rhythm, timing, alignment and placement. **Maximum credit** 2 units, 1 unit each semester. Total of 54 hours laboratory.
Transfer Credit: CSU; UC credit limitations. See counselor.

CHANGE – PREREQUISITE (Add DANCE 11B), Remove RECOMMENDED PREP
DANCE 11C   ADVANCED BALLET
1 unit
Prerequisite: *Dance 11B*
Development of advanced-level ballet technique, combinations and expressive styling. Emphasis on techniques and combinations of increasing complexity and duration, leading to increased endurance, control, and progressively refined and dynamic execution and performance. **Maximum credit** 2 units, 1 unit each semester. Total of 54 hours laboratory.
Transfer Credit: CSU; UC credit limitations. See counselor.

CHANGE – PREREQUISITE (delete TVR 141B, add TVR 141A)
TVR 142   ADVANCED NON-LINEAR EFFECTS EDITING
3 units
Prerequisite: *TVR 141A*
Advanced visual effects editing using the Avid Editing System. Create, enhance, modify and treat stills, motion graphics and titling sequences (Adobe Photoshop and Adobe After Effects). Troubleshoot system and peripheral devices and software. Total of 36 hours lecture and 54 hours laboratory.

SOCIAL SCIENCES

CHANGE – TITLE, CATALOG DESCRIPTION, PREREQUISITES (none), COURSE CONTENT, ADD DISTANCE EDUCATION
CHDV 10   PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN
3 units
Examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all young children. Includes a review of the historical roots of early childhood education programs and the evolution of the professional practices promoting advocacy, ethics, and professional identity. Total of 54 hours lecture.
Transfer Credit: CSU

CHANGE – ADD DISTANCE EDUCATION (no modification to catalog description)
CHDV 11   PRINCIPLES OF INFANT AND TODDLER DEVELOPMENT

CHANGE – TITLE, CATALOG DESCRIPTION, COURSE CONTENT

CHDV 13A   PRACTICUM IN CHILD DEVELOPMENT

4 units

Prerequisites: *CHDV 10 and Psych 21 or 121; enrollment in one or more CHDV courses by maintaining enrollment of 7 units, or more, including field practice.*

Demonstration of developmentally appropriate early childhood teaching competencies under the supervision of CHDV faculty and other qualified early education professionals. Practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families, including understanding of early intervention needs and practices. Emphasis on child centered, play-oriented approaches to teaching, learning and assessment; and knowledge of curriculum content areas as student teachers design, implement and evaluate experiences that promote positive development and learning for young children. Total of 36 hours lecture and 180 hours laboratory.

Transfer Credit: CSU

CHANGE – CATALOG DESCRIPTION, COURSE CONTENT, ADD DISTANCE EDUCATION

CHDV 15   PRINCIPLES OF HOME, SCHOOL AND COMMUNITY

3 units

Recommended Preparation: *CHDV 10 and Psych 21 or 121.*

An examination of the developing child in a societal context which focuses on the interrelationships of family, school, and community and emphasizes historical and socio-cultural factors. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families. Total of 54 hours lecture.

Transfer Credit: CSU

CHANGE – COURSE NUMBER CHANGE (from CHDV 116), TITLE, CATALOG DESCRIPTION, COURSE CONTENT, ADD DISTANCE EDUCATION

CHDV 16   HEALTH, SAFETY AND NUTRITION

3 units

Prerequisites: *CHDV 10 and Psych 21 or 121.*

Introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health safety and nutrition. The key components that ensure physical health, mental health and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Focus on integrating the concepts into everyday planning and program development. CPR techniques, pediatric first aid; prevention and detection of child abuse. **Recommended** enrollment in CHDV 13A, B or C. **No credit** if taken after CHDV 116. Total of 54 hours lecture and 15 hours laboratory. **Formerly** CHDV 116.

Transfer Credit: CSU; UC credit under review.

CHANGE – COURSE NUMBER CHANGE (from CHDV 117), TITLE, CATALOG DESCRIPTION, COURSE CONTENT, ADD DISTANCE EDUCATION

CHDV 17   TEACHING CHILDREN IN A DIVERSE SOCIETY

3 units

Development of social identities in diverse societies including theoretical and practical implications of oppression and privilege affecting young children, families, programs, classrooms, teaching, education and schooling. Exploration of various classroom strategies emphasizing culturally and linguistically appropriate anti-bias approaches supporting children in becoming competent members of a diverse society. Self-examination and reflection of one's own issues and understanding of educational principles in integrating social identity, stereotypes and bias, social and educational access, media, schooling, better informed teaching practices and/or program development. **No credit** if taken after CHDV 117. Total of 54 hours lecture. **Formerly** CHDV 117.

Transfer Credit: CSU; UC credit under review.

CHANGE – COURSE NUMBER CHANGE (from CHDV 120), TITLE, CATALOG DESCRIPTION, COURSE CONTENT, ADD DISTANCE EDUCATION

CHDV 20   INTRODUCTION TO CURRICULUM PLANNING

3 units

Prerequisites: *CHDV 10 and Psych 21 or 121.*

Recommended Preparation: *CHDV 13A*

Overview of knowledge and skills providing appropriate curriculum and environments for children from birth to age 6. A teacher's role in supporting development and engagement for young children. Strategies for developmentally-appropriate practice based on observation and assessments across the curriculum, including 1) academic content areas, 2) play, art, and creativity, 3) development of social-emotional, communication, and cognitive skills, and 4) emphasizing the essential role of play. Includes language and literacy, social and emotional learning, sensory learning, art and creativity, math and science. **No credit** if taken after CHDV 120. Total of 54 lecture hours. **Formerly** CHDV 120.

Transfer Credit: CSU; UC credit under review.

CHANGE – ADD DISTANCE EDUCATION (no modification to catalog description)
CHDV 24B   SPECIAL TOPICS IN CHILD DEVELOPMENT–CURRICULUM

CHANGE – Add DISTANCE EDUCATION (no modification to catalog description)
EDUC 100   TUTORING TECHNIQUES

CHANGE – COURSE CONTENT
HIST 1A   HISTORY OF EUROPEAN CIVILIZATION TO 1715
3 units
Prehistoric man; ancient Near Eastern civilizations; Greeks and Hellenization; the Roman Empire. Emergence of European, Byzantine and Islamic civilizations; manorialism and feudalism. Crusades, cities, medieval kingdoms. Humanism and Reformation. **No credit** if taken after Hist 3A or 3B. Total of 54 hours lecture.
Transfer Credit: CSU; UC

CHANGE – COURSE CONTENT
HIST 1B   HISTORY OF EUROPEAN CIVILIZATION FROM 1715
3 units
Survey of European history from 1715. Course includes the Enlightenment, Scientific Revolution, French Revolution, Napoleon, Western Imperialism, two World Wars, Cold War and the political, social and economic consequences of each. **No credit** if taken after Hist 3C or 3D. Total of 54 hours lecture.
Transfer Credit: CSU; UC

CHANGE – CATALOG DESCRIPTION, COURSE CONTENT
HIST 2A   HISTORY OF WORLD CIVILIZATIONS TO 1500
3 units
Survey of emerging regional cultures and societies from the earliest civilizations to 1500. Consideration given to comparative and integrative analysis of their contributions to the fabric of world civilization. Particular focus on cultural evolutionary parallels and the diffusion of ideas through migration and trade on a global scale. Total of 54 hours lecture.
Transfer Credit: CSU; UC

CHANGE – CATALOG DESCRIPTION, COURSE CONTENT
HIST 2B   HISTORY OF WORLD CIVILIZATIONS FROM 1500
3 units
Survey of world civilizations from 1500's regional isolation to modern-day globalism and its issues and problems. Consideration given to the political, economic, social, and intellectual forces present in the rise of the modern world. Particular focus on the interrelatedness of historical events and on the comparisons of cultures and societies in a historical perspective. Total of 54 hours lecture.
Transfer Credit: CSU; UC

CHANGE – CATALOG DESCRIPTION, COURSE CONTENT
HIST 7A   UNITED STATES HISTORY TO 1876
3 units
Chronological, thematic, and analytical study of the political, economic, social, cultural, and diplomatic history of the United States to Reconstruction. Total of 54 hours lecture.
Transfer Credit: CSU; UC credit limitations. See counselor.

CHANGE – CATALOG DESCRIPTION, COURSE CONTENT
HIST 7B   UNITED STATES HISTORY FROM 1876
3 units
Chronological, thematic, and analytical study of the political, economic, social, cultural, and diplomatic history of the United States from the end of Reconstruction to the present. Total of 54 hours lecture.
Transfer Credit: CSU; UC credit limitations. See counselor.

CHANGE – COURSE CONTENT
HIST 9A   LATIN AMERICA: PRE-COLOMBIAN TO 1825
3 units
Latin American history from pre-Columbian times to the independence of Latin American lands; emphasis on institutions of the past which have shaped conditions of the present; relations between Latin America and the United States. Total of 54 hours lecture.
Transfer Credit: CSU; UC

CHANGE – COURSE CONTENT
HIST 9B   LATIN AMERICA: 1825 TO THE PRESENT
3 units
The social, economic and political history of Latin America from independence to the present. The legacy of colonialism; the development of cultural, political, and economic institutions; relations between Latin America and the United States foreign policies. Total of 54 hours lecture.
Transfer Credit: CSU; UC

CHANGE – CATALOG DESCRIPTION, COURSE CONTENT
HIST 18   HISTORY OF SOUTH ASIA, SOUTHEAST ASIA AND THE PACIFIC
3 units
An examination of South Asia, Southeast Asia and the Pacific from pre-historic times to the present; the geopolitical importance of these areas; emphasis on the cultural, religious and social development of the peoples in history. Total of 54 hours lecture.
Transfer Credit: CSU; UC

CHANGE – COURSE CONTENT
HIST 19   HISTORY OF CHINA, JAPAN AND KOREA
3 units
Civilizations of China, Japan and Korea from prehistoric times to the present; emphasis on cultural, religious and social developments. Total of 54 hours lecture.
Transfer Credit: CSU; UC

HIST 27A   TRADITIONAL AFRICA
3 units
The history of Africa from scientific origins of humans through the 19th century with focus on the Nile Valley civilizations, the Agekoyo and Maasai of East Africa, Angola, the kingdoms of the Western Sudan, Uganda, the Swahili city states, and the Zulu empire; influence of Islam and Christianity on Africa. Total of 54 hours lecture.
Transfer Credit: CSU; UC

HIST 27B   MODERN AFRICA
3 units
The history of Africa from partition to colonialism in the 19th century to modern day developments; nationalistic movements, independence, and nation building; development of Pan-Africanism; African relations with the United States and in the global arena. Total of 54 hours lecture.
Transfer Credit: CSU; UC

VISUAL ARTS AND MEDIA STUDIES

CHANGE – COURSE NUMBER (from ARCH 100 to ARCH 13), UNITS, HOURS, COURSE CONTENT, TRANSFERABILITY
ARCH 13   ARCHITECTURAL PORTFOLIO PREPARATION
Prerequisites: *Arch 10B, 12B.*
A study of advanced individual student architectural design projects for portfolio preparation. Development of individual student portfolios which emphasize student accomplishments, instructional objectives and unique portfolio content required by different accredited schools of architecture. Subsequent portfolio development for interviews in industry. Exploration and analysis of portfolio presentation principles and techniques. Development of digital portfolios using computer illustration, photo imaging and page layout programs. Evaluation of printing and binding techniques. Course may be repeated up to 2 times with new content and/or enhanced skill development. **Maximum credit** for ARCH 13 and ARCH 100 is 9 units. Total of 36 hours lecture and 72 hours laboratory. **Formerly** ARCH 100.
Transfer Credit: CSU; UC credit under review.

CHANGE – PREREQUISITE (add PHOTO 31)
PHOTO 33   PORTRAIT PHOTOGRAPHY
3 units
Prerequisites: *Photo 21 and Photo 31 or placement based on the art assessment process.*
Exploration of the fundamentals of portrait photography in the context of a variety of locations. Emphasis on planning, interpreting, and presenting a portrait photographically. Medium format film cameras, advanced printing techniques as well as in studio lighting set-ups using hot lights, strobes, electronic metering will be covered. Total of 36 hours lecture and 90 hours laboratory.
Transfer credit: CSU; UC credit under review.

CHANGE – PREREQUISITE (delete ART 31A)
ART 41A   INTERIOR DESIGN: SPACE PLANNING AND MATERIALS I
3 units
Recommended Preparation: *Enrollment in or completion of ART 32A.*
An introduction to the design of interior spaces through study of space planning, and an understanding of historical interior styles, materials and furnishings. Emphasis placed on application of principles and elements of design in three-dimensional space, ranging from domestic to small commercial projects. Design communication and visualization skills are developed using hand drawings and model building.
Total of 36 hours lecture and 90 hours laboratory.
Transfer Credit: CSU; UC credit under review.

CHANGE – PREREQUISITE (delete Art31A and Art11A; add Art 32A)
ART 16   PERSPECTIVE
3 units
Prerequisite: *Art32A*
Beginning elements of one-and/or two-point perspective utilizing the grid and freehand methods. **Maximum credit** 6 units, 3 units each semester. Total of 36 hours lecture and 72 hours laboratory.
Transfer Credit: CSU; UC

CHANGE — DESCRIPTION
JOURN 2   BEGINNING JOURNALISM
3 units
Fundamental principles and practices of newswriting. Standards, ethics, rights, responsibilities and laws of libel. Media literacy. New media. Total of 54 hours lecture.
Transfer Credit: CSU

INACTIVATED COURSES

BUSINESS AND COMPUTER TECHNOLOGY

BANK 131 PRINCIPLES OF BANKING
BANK 132 CONSUMER LENDING
BANK 134 MONEY AND BANKING

BUS 121 WORKPLACE PREPARATION AND SKILLS
BUS 122 PRINCIPLES OF FINANCE
BUS 153 INTERNATIONAL BUSINESS LAW
BUS 199 E-COMMERCE BUSINESS FUNDAMENTALS

BIT 110 SPEECH AND HANDWRITING RECOGNITION TECHNOLOGIES

CIS 2 INTRODUCTION TO INFORMATION SYSTEMS
CIS 64 STRUCTURED PROGRAMMING I WITH COBOL
CIS 70 STRUCTURED PROGRAMMING II WITH COBOL
CIS 81 ADVANCED MICROCOMPUTER APPLICATIONS
CIS 194 INTERACTIVE SOFTWARE PRODUCTION
CIS 195 TEAM APPLICATIONS PROJECT
CIS 196 INTERACTIVE SOFTWARE MANAGEMENT
CIS 198 INTERACTIVE SOFTWARE MANAGEMENT

FASH 128A ADVANCED FASHION ILLUSTRATION METHODS
FASH 128B SURFACE DESIGN TECHNIQUES; DYING, PAINTING, BATIK

FASH 128C WEARABLE ART
FASH 128D APPLIED DESIGN: BEADING AND SEQUINS
FASH 128E TEXTILE CONSTRUCTION: WEAVING, KNITTING, CROCHET
FASH 128F ACCESSORY CRAFT: HAT, GLOVES, SHOES
FASH 128G HISTORICAL REPRODUCTIONS
FASH 128H ADVANCED FABRIC TECHNIQUES: LEATHER, KNITS
FASH 128I ADVANCED CONSTRUCTION TECHNIQUES: COUTURE, MENSWEAR
FASH 128J FABRIC MANIPULATION: QUILTING, APPLIQUE SHIBOURI

MRKTG 30 PERSONAL SELLING
MRKTG 126 MERCHANDISING
MRKTG 127A RETAIL DISPLAY
MRKTG 127B RETAIL DISPLAY
MRKTG 129 RETAIL BUYING
MRKTG 131 PRODUCT MERCHANDISING
MRKTG 133 MARKETING TRENDS
MRKTG 134 SUPERVISION IN BUSINESS AND INDUSTRY
MRKTG 135 RETAIL SECURITY

NATURAL SCIENCES

BIOL 36 HUMANS AND THE ENVIRONMENT
BIOL 37 INTRODUCTION TO ENVIRONMENTAL SCIENCE
BIOL 40 HUMANS AND THE BIOLOGICAL ENVIRONMENT

CHEM 10 CHEMISTRY AND THE ENVIRONMENT

CHEM 10L LABORATORY FOR CHEMISTRY AND THE ENVIRONMENT

GEOG 10 HUMAN IMPACT ON THE ENVIRONMENT

PHYSC 37 INTRODUCTION TO ENVIRONMENTAL SCIENCE

PERFORMING AND COMMUNICATION ARTS

MUSIC 102 INTRODUCTION TO MUSIC SIGHT READING
MUSIC 108 APPLIED MUSIC
MUSIC 118 INDIVIDUAL PERFORMANCE SKILLS
MUSIC 122 EQUAL INTERVAL KEYBOARD TECHNIQUES
MUSIC 124A EQUAL INTERVAL HARMONY I
MUSIC 124B EQUAL INTERVAL HARMONY II
MUSIC 124C EQUAL INTERVAL HARMONY III
MUSIC 124D EQUAL INTERVAL HARMONY IV
MUSIC 124E EQUAL INTERVAL HARMONY V
MUSIC 124F EQUAL INTERVAL HARMONY VI
MUSIC 128 EQUAL INTERVAL ORCHESTRATION
MUSIC 129B MUSIC AND AUDIO POST-PRODUCTION IN MULTIMEDIA
MUSIC 129C MUSIC AND AUDIO POST-PRODUCTION USING PROTOOLS
MUSIC 132 PERFORMANCE MUSIC
MUSIC 143 PIANO ENSEMBLE
MUSIC 155 MARCHING PERCUSSION ENSEMBLE
MUSIC 156 VOCAL JAZZ ENSEMBLE
MUSIC 157A JAZZ COMBO

MUSIC 157B LANCER JAZZ BIG BAND
MUSIC 157C STUDIO JAZZ ENSEMBLE
MUSIC 157D SWING BAND
MUSIC 157E JAZZ GUITAR ENSEMBLE
MUSIC 157F LATIN JAZZ ENSEMBLE
MUSIC 157G DIXIELAND/SWING COMBO
MUSIC 158 LANCER VARSITY BAND
MUSIC 159 CHAMBER ORCHESTRA
MUSIC 160 COLLEGE/COMMUNITY ORCHESTRA
MUSIC 163 CONCERT CHOIR
MUSIC 164 CHAMBER SINGERS
MUSIC 165 COLLEGE/COMMUNITY CONCERT BAND
MUSIC 166 MADRIGALS
MUSIC 167 MUSICAL THEATER PRODUCTION
MUSIC 169 GOSPEL CHOIR
MUSIC 170A WOODWIND ENSEMBLES
MUSIC 170B BRASS ENSEMBLES
MUSIC 170C PERCUSSION ENSEMBLES
MUSIC 170D TROMBONE AND TUBA ENSEMBLES
MUSIC 170E CHAMBER MUSIC

MUSIC 173 VOCAL REPERTOIRE
MUSIC 175 OPERA/MUSIC THEATER WORKSHOP
MUSIC 180A BEGINNING FLAMENCO GUITAR

MUSIC 180B ADVANCED FLAMENCO GUITAR
MUSIC 182 GUITAR ENSEMBLE
MUSIC 189 INSTRUMENTAL READING LAB

VISUAL ARTS AND MEDIA STUDIES

PHOTO 120 COLOR SLIDE AND DIGITAL PHOTOGRAPHY

PHOTO 121 ELEMENTARY PHOTOGRAPHY

NEW CERTIFICATES

COMMUNITY EDUCATION CENTER

BUSINESS OFFICE SYSTEMS
Noncredit

The curriculum prepares students for entry/interme-diate-level clerical jobs and/or transitions into a credit business information technology program. Program covers three disciplines: Clerical/Receptionist, Admin-istrative Assistant, and Bookkeeping. Program will also enable students to make a seamless transition into a credit course or program.

A Certificate of Completion is awarded upon completion of all required courses.

BUS 2601A - COMPUTER KEYBOARDING A (0 units)
BUS 2601B - COMPUTER KEYBOARDING B (0 units)
BUS 7301 - COMPUTER MICROSOFT WINDOWS APPLICATIONS (0 units)
BUS 7302 - BUSINESS OFFICE COMPUTER APPLICATIONS / BASIC WORD (0 units)

BUS 7303 - BUSINESS OFFICE COMPUTER APPLICATIONS/BASIC EXCEL (0 units)
BUS 7304 - OFFICE RECORDS MANAGEMENT AND FILING (0 units)
BUS 7305 - BASIC BUSINESS ENGLISH AND COMMUNICATIONS (0 units)
BUS 7306 - CAREER SKILLS FOR THE WORKPLACE (0 units)
BUS 7307 - BASIC BUSINESS MATH (0 units)
BUS 7308 - BASIC BOOKKEEPING (0 units)

Student Learning Outcomes
1. Demonstrate knowledge of effective study skills, workplace skills, and interviewing techniques
2. Effectively communicate, verbally and in written form, in a business office setting.
3. Efficiently use and/or integrate the Microsoft Office Suite of products in a business office environment.

LIBRARY

DIGITIZATION SKILLS FOR LIBRARIES AND CULTURAL HERITAGE INSTITUTIONS
11 units

This curriculum prepares students to work in digital repositories found in libraries, archives, and museums. Instruction includes: project planning, digitization, metadata, copyright, preservation and end user access to digital materials. Students will gain practical experience using industry standards in order to prepare them for entering the workforce.

BIT 25 - SURVEY OF COMPUTER TECHNOLOGY IN BUSINESS (3.0 units)
LIB 121 - INTRODUCTION TO TECHNOLOGIES FOR DIGITAL COLLECTIONS (3.0 units)
LIB 122 - INTRODUCTION TO METADATA FOR DIGITAL OBJECTS (3.0 units)

LIB 123 - INTRODUCTION TO COPYRIGHT ISSUES FOR DIGITAL COLLECTIONS (1.0 units)
LIB 126 - DIGITIZATION INTERNSHIP (1.0 units)

Student Learning Outcomes
1. Assess collection materials to determine feasibility for digitization.
2. Identify copyright issues that impact digital projects.
3. Demonstrate use of imaging equipment to create archival and derivative images.
4. Follow established protocols to create quality metadata for digital objects to provide access to these items in digital databases.
5. Discuss the current software/system options available for managing and providing end user access to digital collections.

PERFORMING AND COMMUNICATON ARTS

COMMERCIAL MUSIC
17 units
The Commercial Music Occupational Skills Certificate prepares students for employment in a variety of commercial music and music production settings such as sound designer assistant, sound editor assistant, automation dialogue replacement assistant and sound recordists. They will gain skills in applying musical skills in audio production, audio signal flow, using recording equipment, signal processing and audio editing and post-production.

Prerequisite: One of the following: Music 1, 4A, 40 or 41A

MUSIC 96A - INTRODUCTION TO MUSIC RECORDING AND PRODUCTION (3.0 units)
MUSIC 96B - MUSIC RECORDING & PRODUCTION APPLICATIONS (3.0 units)
MUSIC 96C - MUSIC RECORDING & PRODUCTION WORKSHOP (3.0 units)
MUSIC 93 - THE MUSIC BUSINESS (2.0 units)

Required Electives - six units from the following:
MUSIC 34A - JAZZ KEYBOARD SKILLS (1.0 unit)
MUSIC 34B - ADVANCED JAZZ KEYBOARD SKILLS (1.0 unit)
MUSIC 36A - POP-JAZZ - THEORY (3.0 units)
MUSIC 36B - JAZZ-COMMERCIAL THEORY (3.0 units)
MUSIC 41A - FIRST YEAR PIANO (1.0 unit)
MUSIC 71A - VOICE TECHNIQUES (1.0 unit)

MUSIC 83A - BEGINNING GUITAR (1.0 unit)
MUSIC 105 - POPULAR SONGWRITING (3.0 unit)
MUSIC 112A - ELECTRIC BASS TECHNIQUES (1.0 unit)
MUSIC 112B - ELECTRIC BASS REPERTOIRE (1.0 unit)
MUSIC 115 - CONTEMPORARY GUITAR TECHNIQUES (1.0 unit)
MUSIC 116 - DRUM SET TECHNIQUES (1.0 unit)
MUSIC 117 - RHYTHM SECTION TECHNIQUES (1.0 unit)
MUSIC 121 - LATIN PERCUSSION TECHNIQUES (1.0 unit)
MUSIC 144 - INTRODUCTION TO IMPROVISATION (1.0 unit)
MUSIC 171A - TECHNIQUES OF POPULAR SINGING (1.0 unit)
MUSIC 171B - TECHNIQUES OF POPULAR SINGING (1.0 unit)
MUSIC 171C - VOCAL JAZZ PERFORMANCE TECHNIQUES (1.0 unit)

Student Learning Outcomes
1. Demonstrate conventional, industry-standard recording techniques including microphone selection and placement.
2. Demonstrate proficiency in multi-track recording production by recording multi-track sessions that are enhanced with the use of compiled play-lists, quantization and elastic audio.
3. Demonstrate proficiency in audio post-production by mixing a multi-track recording session so that elements of the mix are clear, and the frequency range, stereo width, and perception of depth/dynamics are all to industry standards.

TVR – POST-PRODUCTION
25-27 units
The Post-Production certificate provides formal training for individuals who seek entry into the rapidly growing field of film and television post-production, including professions such as assistant editors, editors, post-production supervisors, visual effects artists and title designers. Students will utilize industry standard hardware, software and operating systems to acquire, manage and edit digital video and audio. Large projects are assigned to allow students to build their portfolios.

Semester I (9 units)
TVR 2A - FUNDAMENTALS OF AUDIO FOR MEDIA (3.0 units)
TVR 7 - VIDEO CONTROLS LABORATORY (3.0 units
TVR 144 - DIGITAL NON-LINEAR ASSISTANT EDITING (3.0 units)

Semester II (9 units)
TVR 24 - ELECTRONIC NEWS GATHERING AND EDITING (3.0 units)
TVR 141A - DIGITAL NON-LINEAR VIDEO EDITING (3.0 units)
TVR 143 - DIGITAL AUDIO WORKSTATION SKILLS (3.0 units)

Semester III (6 units)
TVR 141B - DIGITAL NON-LINEAR VIDEO EDITING (3.0 units)

TVR 142 - ADVANCED NON-LINEAR EFFECTS EDITING (3.0 units)
Semester IV (1-3 units)
Required Elective - one course from the following (1-3 units):
TVR 117 - TELECOMMUNICATIONS WORKSHOP (1.0 unit)
OR
TVR 119 - TELECOMMUNICATIONS WORKSHOP (3.0 units)
OR
TVR 120 - TELECOMMUNICATIONS WORKSHOP (2.0 units)
OR
TVR 124 - TELEVISION FIELD PRODUCTION (3.0 units)
OR
TVR 131 - ADVANCED TELEVISION OPERATIONS/PRODUCTION (2.0 units)
OR
TVR 128A - TV OPERATIONS INTERNSHIP (1.0 unit)

Recommended Electives
CIS 30 - NETWORKS AND TELECOMMUNICATIONS (3.0 units)

Student Learning Outcomes
1. Apply production techniques to aural and visual media.
2. Demonstrate professional conduct, including collaborative skills and abilities.
3. Demonstrate technological proficiency.

VISUAL ARTS AND MEDIA STUDIES

INTERIOR DESIGN
15 units
The curriculum prepares students to transfer to a 4-year Interior Design program or seek employment in the interior design industry as entry-level designers. Emphasis is on a solid foundation in the area of Interior Design. Students will develop a portfolio.

A Certificate is awarded upon completion of all required courses with a grade of C or better.

ART 41A - INTERIOR DESIGN: SPACE PLANNING AND MATERIALS I (3.0 units)
ART 41B - INTERIOR DESIGN: SPACE PLANNING AND MATERIALS II (3.0 units)
ART 41C - INTERIOR DESIGN: SPACE PLANNING AND MATERIALS III (3.0 units)
ART 16 - PERSPECTIVE (3.0 units)
ART 32A - DESIGN-THREE DIMENSIONAL (3.0 units)

Recommended Electives

ART 31A - COLOR AND COMPOSITION-TWO DIMENSIONAL DESIGN (3.0 units)
ART 31B - DESIGN-ADVANCED TWO DIMENSIONAL (3.0 units)
ART 40 - INTRODUCTION TO DIGITAL TOOLS (3.0 units)
ART 1A - HISTORY OF WESTERN ART (3.0 units)
ART 1B - HISTORY OF WESTERN ART (3.0 units)
ART 33A - PRODUCT DESIGN APPLICATION (3.0 units)

Student Learning Outcomes
1. Demonstrate a command of the vocabulary of the interior design field, and an understanding of the components of interior design.
2. Create original design projects that analyze, define, and solve problems in interior design, including space planning, materials and furnishings, design communication and visualization.
3. Utilize the critique process to analyze design solutions and the effectiveness of the visual communication of projects.
4. Create and present a portfolio of original student work that represents the necessary skills and an understanding of the principles and elements of design relative to the profession of interior design.
2. Analyze and evaluate the jewelry/objects utilizing the critique process.

DIGITAL IMAGE EDITING
12 units
This certificate provides students with the skills for entry-level work as a digital image editing specialist in a variety of settings, including advertising, freelance, or a photography studio or lab. Emphasis is on creative application of digital image editing software.

PHOTO 21 - ELEMENTARY PHOTOGRAPHY (3.0 units)
PHOTO 31 - BEGINNING DIGITAL PHOTOGRAPHY (3.0 units)

PHOTO 30 - INTRODUCTION TO DIGITAL IMAGE EDITING (3.0 units)
PHOTO 130 - ADVANCED DIGITAL IMAGE EDITING (3.0 units)

Student Learning Outcomes
1. Demonstrate thorough understanding of cameras, exposure controls, and photographic principles.
2. Perform digital image editing techniques for color correction, compositing, and file preparation.

CHANGED CERTIFICIATES

BUSINESS AND COMPUTER TECHNOLOGY

<u>**CHANGE – ADD REQUIRED COURSE**</u>
ACCOUNTING – CASHIER
11-12 units
The curriculum prepares students to work in a wide variety of businesses. Emphasis on basic mathematical skills, good manual dexterity, oral and written communication skills, ability to deal tactfully and pleasantly with customers, problem solving, business etiquette, and ethics.

An Occupational Skills Certificate is awarded upon successful completion of all required courses with a grade of C or better.

BUS 11A - BUSINESS COMMUNICATIONS (3.0 units)
ACCTG 10 - BOOKKEEPING-ACCOUNTING (4.0 units)
BUS 16 - OFFICE MACHINES (2.0 units)
BIT 11A - COMPUTER KEYBOARDING AND DOCUMENT PROCESSING (2.0 units)
OR
BIT 25 - SURVEY OF COMPUTER TECHNOLOGY IN BUSINESS (3.0 units)

<u>**CHANGE – REQUIRED COURSE**</u>
ACCOUNTING CLERK
18-19 units
The curriculum prepares students to do such tasks as recording daily transactions in journals, posting figures into ledgers, and handling payments and receipts. Positions may require doing general office work. Knowledge of business math and the principles of bookkeeping, as well as skills in the operation of 10-key calculators and computers, are essential.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Note: *Students who qualify to enroll in **Acctg 1A** their first semester should do so and enroll in **Acctg 1B** in their second semester.*

ACCTG 10 - BOOKKEEPING-ACCOUNTING (4.0 units)
OR

ACCTG 1A - FINANCIAL ACCOUNTING (4.0 units)
BUS 16 - OFFICE MACHINES (2.0 units)
BIT 11A - COMPUTER KEYBOARDING AND DOCUMENT PROCESSING (2.0 units)
OR
BIT 25 - SURVEY OF COMPUTER TECHNOLOGY IN BUSINESS (3.0 units)

Semester II (10 units)
ACCTG 1A - FINANCIAL ACCOUNTING (4.0 units)
OR
ACCTG 1B - MANAGERIAL ACCOUNTING (4.0 units) BUS 11A - BUSINESS COMMUNICATIONS (3.0 units)
ACCTG 104A - MICROCOMPUTER APPLICATIONS (3.0 units)

Recommended Electives
BIT 133A - BUSINESS SOFTWARE-MICROSOFT EXCEL LEVEL 1 (1.5 units)
BIT 133B - BUSINESS SOFTWARE-MICROSOFT EXCEL LEVEL 2 (1.5 units)

<u>**CHANGE – TITLE CHANGE (From DATA ENTRY TECHNICIAN), UNITS CHANGE, MODIFY REQUIRED COURSES, MODIFY ELECTIVES**</u>
BIT - INFORMATION AND RECORDS SPECIALIST
22 units
The curriculum prepares students for office positions such as receptionists, virtual receptionists, and information clerks. Employees in these types of positions respond to inquiries from the public, locate and provide information to other employees, coordinate electronic communications into and out of the office, maintain electronic calendars, monitor use of conference rooms, and look up customer information.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.
Semester I (12 units)
BIT 11A - COMPUTER KEYBOARDING AND DOCUMENT PROCESSING (2.0 units)
BIT 107 - BUSINESS SOFTWARE--WINDOWS (1.0 units)
BIT 106 - BUSINESS SOFTWARE--COMPREHENSIVE MICROSOFT OFFICE SYSTEM (3.0 units)

BIT 115 - BUSINESS RECORDS SKILLS (2.0 units)
BIT 25 - SURVEY OF COMPUTER TECHNOLOGY IN BUSINESS (3.0 units)
BIT 108 - MICROSOFT OUTLOOK AND PRODUCTIVITY TOOLS (1.0 units)

Semester II (10 units)
BIT 11B - ADVANCED COMPUTER KEYBOARDING AND DOCUMENT PROCESSING (2.0 units)
BUS 9 - INTRODUCTION TO BUSINESS (3.0 units)
BIT 124 - ADMINISTRATIVE BUSINESS PROCEDURES (2.0 units)
BIT 122 - INTERNET RESEARCH AND OFFICE COMMUNICATIONS (2.0 units)
BIT 117 - COLLABORATIVE WEB-BASED WORKSPACES (1.0 units)

Recommended Electives
ACCTG 10 - BOOKKEEPING-ACCOUNTING (4.0 units)

CHANGE - UNITS CHANGE, DELETE CIS 166
COMPUTER INFORMATION SYSTEMS - CISCO CERTIFIED NETWORK
PROFESSIONAL (CCNP) PREPARATION
12 units
This Cisco Academy curriculum provides a student with the necessary skills to seek entry to mid-level employment in the information technology field, especially, in the configuring, installing, and maintaining Cisco routers and switches in either a LAN, WAN, or switched LAN environment. This certificate course is designed to follow the CCNP program, and is the second level of three level Cisco certification designations. Students completing this certification program will have the ability to install, configure, and maintain more complicated LAN, WAN, and switched LAN networks. To become a CCNP a student must pass four industry level certificate exams offered by Cisco.

An Occupational Skills Certificate is awarded upon completion of all required courses with a grade of C or better.

Requirements for admission into the Cisco Certified Network Professional Preparation program:

1. CIS 164 or ELTRN 164
or
2. Obtain CCNA certificate by passing Cisco Certified Network Associate industry certificate exam.

CIS 165 - IMPLEMENTING CISCO IP ROUTING (ROUTE) (4.0 units)
CIS 167 - BUILDING CISCO MULTILAYER SWITCHED NETWORKS (4.0 units)
CIS 168 - CISCO INTERNETWORK TROUBLESHOOTING (4.0 units)

Recommended Electives
CIS 170 - CISCO IP TELEPHONY (4.0 units)
CIS 169A - CCNA SECURITY (4.0 units)
CIS 169B - NETWORK SECURITY 2 (4.0 units)

CHANGE – REARRANGING AND RENUMBERING OF REQUIRED/ELECTIVE COURSES, MODIFY REQUIRED COURSES, MODIFY ELECTIVES
HISTORICAL COSTUME MAKING
15 units
Upon completion of the requirements, the costume student will be prepared to pattern, cut, and sew historical costumes. The use of industrial sewing equipment, patternmaking, tools, and materials are part of the training program. Historical costumes will be studied and created by the student as part of the program to train students to enter the field of costume technician or sewer.
This training serves to offer the basic skills required to qualify for employment in a costume business, or as a costume assistant. Studies in the history of fashion, both modern and historical clothing construction, alterations, and patternmaking by draped methods are part of the course of study.

An Occupational Skills Certificate is awarded upon completion of all required courses with a grade of C or better.

FASH 1A - FASHION SURVEY (3.0 units)
FASH 124 - HISTORY OF COSTUME (3.0 units)
FASH 2 - INTRODUCTION TO FASHION INDUSTRY (3.0 units)
FASH 126 - HISTORICAL COSTUME MAKING (3.0 units)
FASH 5 - PATTERN DRAFTING (3.0 units)

Recommended Electives
THART 15 - COSTUME CRAFTS (3.0 units)
FASH 108 - PATTERNMAKING BY DRAPING (3.0 units)
FASH 1B - INTERMEDIATE CLOTHING CONSTRUCTION (3.0 units)
FASH 1C - ADVANCED CLOTHING CONSTRUCTION (3.0 units)
FASH 110 - FASHION ILLUSTRATION (3.0 units)

CHANGE – TOTAL UNITS, REARRANGING AND RENUMBERING OF REQUIRED COURSES, MODIFY REQUIRED COURSES, DELETE ELECTIVES
FASHION – DESIGN
43-45 units
The Fashion Design option will prepare the graduate to work in a design room as assistant designer, junior designer, merchandiser, buyer, stylist, illustrator or graphic artist. A design room internship is part of this training program. Studies include advanced design and computer assisted illustration, along with current color and textile trends in the apparel industry. A portfolio of designs and a fashion collection is part of the final requirements.

The curriculum prepares students for the workplace environment with skills required to work in a fashion design business as a design assistant, product merchandiser, junior buyer, stylist, production manager, or design room manager. The coursework covers advanced skills in current computer technologies, apparel product design, flat pattern, and pattern draping. Digital technologies include tech packs with production flats, spec sheets, and costing. Career preparation includes a resume, preparation of an online portfolio and professional internship. Upon completion of the required courses, the student will have a working vocabulary and firsthand knowledge of the apparel industry

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Semester I (12 units)
FASH 1A - FASHION SURVEY (3.0 units)
FASH 21 - PRINCIPLES OF FASHION (3.0 units)
FASH 2 - INTRODUCTION TO FASHION INDUSTRY (3.0 units)
FASH 110 - FASHION ILLUSTRATION (3.0 units)

Semester II (12 units)
FASH 111A - INTRODUCTION TO FASHION DESIGN (3.0 units)
FASH 9 - BEGINNING TEXTILES (3.0 units)

CHANGE - REARRANGING AND RENUMBERING OF REQUIRED COURSES, MODIFY REQUIRED COURSES, DELETE ELECTIVES
FASHION ASSISTANT
24 units
The curriculum prepares students for the workplace environment with skills required to work as an assistant to a fashion designer, merchandiser, stylist, production manager, or design room manager. The coursework covers essential skills in computer technologies, apparel construction, pattern development, and design concepts. Introduction to the apparel industry, textiles and the history of fashion will also be taught. Digital technologies include the preparation of tech packs with production flats, spec sheets, and costing. Career preparation includes a resume, preparation of an online portfolio and optional internship. Upon completion of

FASH 124 - HISTORY OF COSTUME (3.0 units)
FASH 5 - PATTERN DRAFTING (3.0 units)

Semester III (11-12 units)
FASH 111B - INTERMEDIATE FASHION DESIGN (3.0 units)
FASH 108 - PATTERNMAKING BY DRAPING (3.0 units)

Select 2 courses from this list: (5-6 units)
FASH 1B - INTERMEDIATE CLOTHING CONSTRUCTION (3.0 units)
OR
FASH 1C - ADVANCED CLOTHING CONSTRUCTION (3.0 units)
OR
FASH 115 - INTERMEDIATE COMPUTER-ASSISTED FASHION GRAPHICS (2.0 units)
OR
FASH 109 - COMPUTER AIDED FASHION DESIGN (3.0 units)

Semester IV Select 3 courses from this list: (8-9 units)
FASH 1B - INTERMEDIATE CLOTHING CONSTRUCTION (3.0 units)
OR
FASH 1C - ADVANCED CLOTHING CONSTRUCTION (3.0 units)
OR
FASH 130 - FASHION WORKSHOP (3.0 units)
OR
FASH 111C - ADVANCED FASHION DESIGN (3.0 units)
OR
FASH 115 - INTERMEDIATE COMPUTER-ASSISTED FASHION GRAPHICS (2.0 units)
OR
FASH 109 - COMPUTER AIDED FASHION DESIGN (3.0 units)
OR
FASH 105 - INTERMEDIATE FASHION DRAFTING AND DRAPING (3.0 units)
OR
FASH 106 - ADVANCED PATTERN DRAFTING AND DRAPING (3.0 units)

the required course work, the student will have a working vocabulary and basic knowledge of the apparel industry.
A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Semester I (12 units)
FASH 1A - FASHION SURVEY (3.0 units)
FASH 21 - PRINCIPLES OF FASHION (3.0 units)
FASH 2 - INTRODUCTION TO FASHION INDUSTRY (3.0 units)
FASH 110 - FASHION ILLUSTRATION (3.0 units)
Semester II (12 units)
FASH 111A - INTRODUCTION TO FASHION DESIGN (3.0 units)
FASH 124 - HISTORY OF COSTUME (3.0 units)
FASH 9 - BEGINNING TEXTILES (3.0 units)
FASH 5 - PATTERN DRAFTING (3.0 units)

HEALTH SCIENCES

<u>CHANGE – TOTAL UNITS, MODIFY PROGRAM PREREQUISITES</u>
DENTAL HYGIENE
44.5 units
The curriculum prepares a student to provide educational, clinical, and therapeutic services supporting oral health. Studies include the biological basis of the health of the teeth and oral cavity, as well as procedures used to prevent decay and to maintain dental health. Employment opportunities include working as a licensed dental hygienist in dental offices, public clinics, schools, industry, research and community health. Students must provide their own transportation to some off-campus clinical sites.

The program is approved by the California Board of Dental Examiners and is accredited by the Commission on Dental Accreditation of the American Dental Association. Upon successful completion of the Dental Hygiene National Board examination and the dental hygiene curriculum the student receives a Certificate of Achievement, an Associate of Science Degree, and is eligible to take the California State Board examination to obtain licensure as a Dental Hygienist. Applicants for Dental Hygiene licensure are required to submit official fingerprints. The law provides for denial of licensure for crimes or acts which are related to dental hygiene qualifications and/or duties.

Requirements for selection and acceptance into the Dental Hygiene program are:

1. Graduation from High School or the equivalent

2. Minimum grade of C in:
   Engl 1A
   Psych 1
   Speech 1
   Socio 1
   Intermediate Algebra
   Humanities
   U S History (one course) and Political Science or American Institutions 125
   Physical Activity (2 units)

3. Minimum grade of C in these science courses (It is recommended that they be taken within the last 5 years):
   Micro 2
   Nutri 11
   Anat 25 **and** Physo 1 **or**
   Physo 2A, 2B
   Chem 1A **and** B **or** Chem 2A **and** Chem 2B

4. Overall GPA of 3.0 for all prerequisite college work

5. Completed application for selection and acceptance into the program.

6. Dental Hygiene students must have the ability to communicate effectively.

7. After acceptance into the program, submit a completed health data form evidencing physical and emotional health including required immunizations/ chest x-ray or Mantoux test.

8. Current CPR/Basic Life Support (BLS) card, that must be maintained while in the program.

9. **Recommended preparation:**
High school courses in biology or physiology, algebra and chemistry with a laboratory. It is strongly recommended that general education requirements for the Associate in Science Degree be satisfied prior to enrolling in the program. Degree requirements must be met to be eligible to sit for licensure exams.

Acceptance to the program is competitive. Selection is based upon a combination of academic work completed, and grades earned. Other criteria such as work experience may also be considered. Please see Pasadena City College Dental Hygiene Information Brochure for current application instructions and selection criteria.

Semester I (13 units)
ANAT 115 - HEAD AND NECK ANATOMY, HISTOLOGY AND EMBRYOLOGY (3.0 units)
DH 101A - FUNDAMENTALS OF DENTAL HYGIENE (4.0 units)
DH 109 - DENTAL HEALTH EDUCATION AND COMMUNICATION (2.0 units)
DH 117 - DENTAL MORPHOLOGY AND OCCLUSION (2.0 units)
DH 122 - MEDICAL EVALUATION OF DENTAL HYGIENE PATIENTS (2.0 units)

Winter Intersession I (1 unit)
DH 200 - DIRECTED STUDIES IN CLINICAL DENTAL HYGIENE (1.0 units)

Semester II (13.5 units)
DH 105 - PATHOLOGY (3.0 units)
DH 116 - DENTAL MATERIALS (2.5 units)
DH 101B - FUNDAMENTALS OF DENTAL HYGIENE THEORY AND PRACTICE (5.0 units)
DH 141 - ORAL RADIOLOGY (3.0 units)

Summer Intersession I (4 units)
DH 104A - CLINICAL DENTAL HYGIENE THEORY AND PRACTICE (2.0 units)
DH 107 - INTRODUCTION TO ORAL HEALTH RESEARCH (2.0 units)

Semester III (12 units)
DH 104B - CLINICAL DENTAL HYGIENE THEORY AND PRACTICE (6.0 units)
DH 108 - PHARMACOLOGY (2.0 units)
DH 113A - PERIODONTICS (2.0 units)
DH 119A - COMMUNITY DENTAL HEALTH (2.0 units)

Winter Intersession II (1 unit)
DH 200 - DIRECTED STUDIES IN CLINICAL DENTAL HYGIENE (1.0 units)

Semester IV (12.5 units)
DH 104C - CLINICAL DENTAL HYGIENE THEORY AND PRACTICE (7.0 units)
DH 111 - CURRENT ISSUES IN DENTAL HYGIENE (3.0 units)
DH 113B - PERIODONTICS (1.0 units)
DH 119B - COMMUNITY DENTAL HEALTH LAB (.50 units)
DH 121 - CLINICAL PRACTICE IN ALTERNATIVE SETTINGS (1.0 units)

Summer Intersession II (Optional) (1 unit)
DH 200 - DIRECTED STUDIES IN CLINICAL DENTAL HYGIENE (1.0 units)

Recommended Electives
ART 11A - FOUNDATION DRAWING (3.0 units)
BIT 100 - WORD PROCESSING BASICS (1.0 units)
ENGL 110 - SKILLS FOR COLLEGE SUCCESS (2.0 units)
SPAN 1 - ELEMENTARY SPANISH (5.0 units)

PERFORMING AND COMMUNICATION ARTS

<u>**CHANGE – UNITS, MODIFY REQUIRED COURSES, MODIFY ELECTIVES**</u>
TVR - AUDIO PRODUCTION
32-34 units
The curriculum prepares students to work in various areas of broadcasting and electronic media. Course work covers basic aspects of radio production, audio production, post-production, and announcing and writing for broadcast, cable and digital medias. Practical internships are offered in professional facilities, including commercial and public broadcast companies, cable television, production and post-production companies. Audio students are prepared for such positions as radio hosts/announcers, news reporters, production assistants, program producers, and audio editors (including dialogue, effects and music editing).

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Semester I (9 units)
TVR 1 - SURVEY OF TELECOMMUNICATIONS (3.0 units)
TVR 2A - FUNDAMENTALS OF AUDIO FOR MEDIA (3.0 units)
TVR 14A - PRODUCTION TECHNIQUES FOR ELECTRONIC MEDIA (3.0 units)

Semester II (6 units)
TVR 12 - ANNOUNCING AND PERFORMING IN ELECTRONIC MEDIA (3.0 units)

TVR 7 - VIDEO CONTROLS LABORATORY (3.0 units)

Semester III (9 units)
TVR 14B - ADVANCED RADIO PRODUCTION (3.0 units)
TVR 15 - INTRODUCTION TO RADIO AND TELEVISION WRITING (3.0 units)
TVR 143 - DIGITAL AUDIO WORKSTATION SKILLS (3.0 units)

Semester IV (4-6 units)
TVR 21 - ELECTRONIC MEDIA MANAGEMENT (3.0 units)
TVR 117 - TELECOMMUNICATIONS WORKSHOP (1.0 units)
OR
TVR 119 - TELECOMMUNICATIONS WORKSHOP (3.0 units)
OR
TVR 120 - TELECOMMUNICATIONS WORKSHOP (2.0 units)
OR
TVR 128F - RADIO PRODUCTION INTERNSHIP (1.0 units)

Required Electives-an additional three units from:
MUSIC 129A - MUSIC IN MULTIMEDIA (3.0 units)
OR
TVR 2B - RADIO BROADCAST MASTER CONTROL OPERATIONS (3.0 units)
OR
TVR 103A - ADVANCED AUDIO RECORDING TECHNIQUES (3.0 units)
OR
TVR 104 - LIVE SOUND REINFORCEMENT (3.0 units)

<u>**CHANGE – TOTAL UNITS, MODIFY REQUIRED COURSES, MODIFY ELECTIVES**</u>
TVR – VIDEO OPERATIONS
12 units
This curriculum prepares students for entry-level positions in the commercial and corporate television industries. Cable and satellite TV distribution continues to expand. Qualified master control operators, tape operators, duplication technicians and ingestion operators will be required for both new and traditional forms of television distribution.

An Occupational Skills Certificate is awarded upon completion of all required courses with a grade of C or better.

TVR 7 - VIDEO CONTROLS LABORATORY (3.0 units)
TVR 107 - VIDEO STUDIO CONTROLS (5.0 units)
TVR 108 - TELEVISION OPERATIONS (4.0 units)

CHANGE – TOTAL UNITS, MODIFY REQUIRED COURSES, MODIFY ELECTIVES
TELEVISION AND RADIO – TELEVISION OPERATIONS
33-35 units
The curriculum prepares students for employment as commercial, corporate, and cable television operators. With the growth of cable and satellite distribution and the continuing development of new communication technologies (high definition television, fiber optics and digital media), expanding opportunities will be available for well trained individuals.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Semester I (9 units)
TVR 1 - SURVEY OF TELECOMMUNICATIONS (3.0 units)
TVR 7 - VIDEO CONTROLS LABORATORY (3.0 units)
TVR 2A - FUNDAMENTALS OF AUDIO FOR MEDIA (3.0 units)

Semester II (10 units)
TVR 107 - VIDEO STUDIO CONTROLS (5.0 units)
CIS 10 - INTRODUCTION TO INFORMATION SYSTEMS (5.0 units)

Semester III (13 units)
TVR 108 - TELEVISION OPERATIONS (4.0 units)
TVR 24 - ELECTRONIC NEWS GATHERING AND EDITING (3.0 units)
CIS 30 - NETWORKS AND TELECOMMUNICATIONS (3.0 units)
TVR 141A - DIGITAL NON-LINEAR VIDEO EDITING (3.0 units)

Required Elective: One of the following: (1-3 units)
TVR 128A - TV OPERATIONS INTERNSHIP (1.0 units)
TVR 117 - TELECOMMUNICATIONS WORKSHOP (1.0 units)
TVR 119 - TELECOMMUNICATIONS WORKSHOP (3.0 units)
TVR 120 - TELECOMMUNICATIONS WORKSHOP (2.0 units)
TVR 124 - TELEVISION FIELD PRODUCTION (3.0 units)

VISUAL ARTS AND MEDIA STUDIES

CHANGE – UNITS, DELETE MKTG 30
JOURNALISM – PUBLIC RELATIONS
31-32 units
This curriculum prepares students to seek employment as public relations or organizational communications specialists in mass communications media as well as in specialty occupational areas such as corporate, entertainment, marketing, community/non-profit, academic and other targeted fields.

Semester I (12 units)
JOURN 2 - BEGINNING JOURNALISM (3.0 units)
JOURN 9 - PUBLIC RELATIONS AND ORGANIZATIONAL COMMUNICATION (3.0 units)
JOURN 199 - INTRODUCTION TO DESKTOP PUBLISHING (3.0 units)
MRKTG 123 - ADVERTISING (3.0 units)

Semester II (4 units)
JOURN 7A - NEWSWRITING AND MAKE-UP (4.0 units)

Semester III (9-10 units)
JOURN 5 - MAGAZINE AND SMALL PUBLICATIONS (3.0 units)
OR
JOURN 7B - NEWSWRITING AND MAKE-UP (4.0 units)
TVR 18 - RADIO AND TELEVISION NEWSWRITING (3.0 units)
BUS 10 - INTRODUCTION TO MANAGEMENT (3.0 units)

Semester IV (6 units)
JOURN 110 - JOURNALISM FIELD PRACTICE (3.0 units)
SPEECH 1 - FUNDAMENTALS OF SPEECH (3.0 units)

Recommended Electives
BIT 25 - SURVEY OF COMPUTER TECHNOLOGY IN BUSINESS (3.0 units)
BUS 11A - BUSINESS COMMUNICATIONS (3.0 units)
JOURN 4A - REPORTING AND NEWSWRITING (3.0 units)

<u>**CHANGE – ADD NEW REQUIRED COURSES, MODIFY ELECTIVES**</u>
PHOTOGRAPHY
33 units
The certificate curriculum prepares students to seek entry-level employment in a variety of commercial photographic specialties (for example, photojournalism, portraiture, fashion, architectural, product, etc.). Instruction is offered in cameras, aesthetics, color and black and white, film and digital, darkroom procedures, digital image editing, lighting, and business practices for photographers. Students completing the program will have developed a portfolio.

A Certificate of Achievement is awarded upon completion of all required courses with a C or better.

Semester I (9 units)
PHOTO 21 - ELEMENTARY PHOTOGRAPHY (3.0 units)
ART 31A - COLOR AND COMPOSITION--TWO DIMENSIONAL DESIGN (3.0 units)
PHOTO 100 - HISTORY OF PHOTOGRAPHY (3.0 units)
OR
ART 1B - HISTORY OF WESTERN ART (3.0 units)
Semester II (9 units)
PHOTO 30 - INTRODUCTION TO DIGITAL IMAGE EDITING (3.0 units)
PHOTO 31 - BEGINNING DIGITAL PHOTOGRAPHY (3.0 units)
OR
PHOTO 23A - COLOR PHOTOGRAPHY (3.0 units)
PHOTO 33 - PORTRAIT PHOTOGRAPHY (3.0 units)
OR
PHOTO 40 - FASHION PHOTOGRAPHY (3.0 units)

Semester III (9 units)
PHOTO 22A - BLACK AND WHITE LARGE FORMAT FINE ARTS PHOTOGRAPHY (3.0 units)
PHOTO 136 - VIDEO FOR PHOTOGRAPHERS (3.0 units)
PHOTO 132 - ADVANCED DIGITAL PHOTOGRAPHY (3.0 units)
OR
PHOTO 23B - ADVANCED COLOR PHOTOGRAPHY (3.0 units)

Semester IV (6 units)
PHOTO 135 - ADVANCED PHOTOGRAPHY (3.0 units)
PHOTO 140 - PROFESSIONAL PRACTICES FOR PHOTOGRAPHERS (3.0 units)

Recommended Electives
ART 5 - ART FUNDAMENTALS (3.0 units)
ART 16 - PERSPECTIVE (3.0 units)
ART 50A - INTRODUCTION TO ADVERTISING GRAPHIC DESIGN (3.0 units)
ART 50B - INTERMEDIATE ADVERTISING/GRAPHIC DESIGN (3.0 units)
ART 50C - ADVANCED ADVERTISING/GRAPHIC DESIGN (3.0 units)
BUS 116 - SMALL BUSINESS MANAGEMENT (3.0 units)
JOURN 21 - BEGINNING PRESS PHOTOGRAPHY (3.0 units)
JOURN 22 - ADVANCED PRESS PHOTOGRAPHY (3.0 units)
GRCOM 80 - GRAPHIC REPRODUCTION FUNDAMENTALS (2.0 units)
ART 104 - HISTORY OF AMERICAN ART (3.0 units)
PHOTO 131 - ZONE SYSTEM OF PHOTOGRAPHY (3.0 units)
PHOTO 24A - EXPERIMENTAL PHOTOGRAPHY (3.0 units)
PHOTO 24B - EXPERIMENTAL PHOTOGRAPHY (3.0 units)
ART 11A - FOUNDATION DRAWING (3.0 units)

CHANGE - MODIFY REQUIRED COURSES, MODIFY ELECTIVES
PRODUCT DESIGN
33 units
The program prepares students with a portfolio to enter the product design profession as an entry-level designer. The courses develop a broad range of skills to seek employment in such diverse industries as product, transportation, environmental, entertainment and apparel/accessories design. Projects emphasize creativity, function, environmental, and social concerns.

Portfolios can also be used for transfer application to four-year and graduate programs.

Completion of all courses with a grade of C or better is required for the certificate.

Semester I (12 units)
ART 15 - SKETCHING FOR DESIGN (3.0 units)
EDT 8A - ENGINEERING GRAPHICS (3.0 units)
ART 16 - PERSPECTIVE (3.0 units)
ART 31A - COLOR AND COMPOSITION--TWO DIMENSIONAL DESIGN (3.0 units)

Semester II (9 units)
ART 18 - RENDERING (3.0 units)
ART 33A - PRODUCT DESIGN APPLICATION (3.0 units)
ART 50A - INTRODUCTION TO ADVERTISING GRAPHIC DESIGN (3.0 units)

Semester III (6 units)
ART 33B - PRODUCT DESIGN APPLICATION (3.0 units)
ART 36A - JEWELRY/METAL FABRICATION (3.0 units)

Semester IV (6 units)
ART 33C - PRODUCT DESIGN APPLICATION (3.0 units)
ART 25 - SCULPTURE (3.0 units)
OR
ART 38A - CERAMICS (3.0 units)
OR
FASH 1A - FASHION SURVEY (3.0 units)

Recommended Electives
ART 4D - HISTORY OF MODERN ART IN EUROPE AND AMERICA (3.0 units)
ART 26 - SCULPTURE (3.0 units)
ART 27 - SCULPTURE TECHNOLOGY-METAL CASTING AND MOLD MAKING (3.0 units)
ART 36B - JEWELRY/METAL FABRICATION (3.0 units)
ART 36C - JEWELRY CASTING (3.0 units)
ART 38B - CERAMICS (3.0 units)
ART 38C - CERAMICS (3.0 units)
ART 50B - INTERMEDIATE ADVERTISING/GRAPHIC DESIGN (3.0 units)
ART 50C - ADVANCED ADVERTISING/GRAPHIC DESIGN (3.0 units)
ART 118 - ADVANCED RENDERING (3.0 units)
ART 110A - SKILLS FOR SUCCESS IN DESIGN DIGITAL MEDIA (1.0 units)
BUS 2 - FINANCIAL MANAGEMENT (3.0 units)
BUS 9 - INTRO TO BUSINESS (3.0 units)
BUS 10 - INTRO TO MANAGEMENT (3.0 units)
BUS 11A - BUSINESS COMMUNICATIONS (3.0 units)
ENGR 2 - DESCRIPTIVE GEOMETRY (3.0 units)
ENGR 15A - APPLIED MECHANICS-STATICS (3.0 units)
MACH 220A - INTRO TO MANUFACTURING TECHNOLOGY (3.0 units)
MRKTG 20 - MARKETING MANAGEMENT (3.0 units)
MRKTG 133 - MARKETING TRENDS (3.0 units)
WELD 44A - INTRO TO GAS WELDING (1.0 units)
ART 34B - CRAFTS - MATERIALS AND PROCESSES (3.0 units)
EDT 8B - MECHANICAL DESIGN (3.0 units)
EDT 8C - DESIGN ENGINEERING (4.0 units)
EDT 118 - A/E/C MODELING (3.0 units)
ART 1A - HISTORY OF WESTERN ART (3.0 units)
ART 11A - FOUNDATION DRAWING (3.0 units)
ART 31A - COLOR AND COMPOSITION--TWO DIMENSIONAL DESIGN (3.0 units)
ART 34A - CRAFTS - MATERIALS AND PROCESSES (3.0 units)
PHOTO 21 - ELEMENTARY PHOTOGRAPHY (3.0 units)

CHANGE – UNITS, MODIFY REQUIRED COURSES, MODIFY ELECTIVES
PRODUCT DESIGN – GRAPHICS
33 units

The program prepares students with an interest and strengths in graphics with a portfolio to enter the product design profession as an entry-level designer. The courses develop a focused range of knowledge and skills to seek employment with an emphasis on graphic application related to products. Projects emphasize creativity, function, environmental, and social concerns in addition to technical skills.

Portfolios can also be used for transfer application.

Completion of all courses with a grade of C or better is required for the certificate.

Semester I (9 units)
ART 15 - SKETCHING FOR DESIGN (3.0 units)
ART 16 - PERSPECTIVE (3.0 units)
ART 31A - COLOR AND COMPOSITION--TWO DIMENSIONAL DESIGN (3.0 units)

Semester II (9 units)
ART 18 - RENDERING (3.0 units)
ART 33A - PRODUCT DESIGN APPLICATION (3.0 units)
ART 50A - INTRODUCTION TO ADVERTISING GRAPHIC DESIGN (3.0 units)

Semester III (9 units)
ART 56 - COMPUTER ASSISTED DRAWING & PAINTING (3.0 units)
ART 51A - LETTERING FUNDAMENTALS (3.0 units)
ART 33B - PRODUCT DESIGN APPLICATION (3.0 units)

Semester IV (6 units)
ART 33C - PRODUCT DESIGN APPLICATION (3.0 units)
PHOTO 30 - INTRODUCTION TO DIGITAL IMAGE EDITING (3.0 units)

Recommended Electives
ART 1A - HISTORY OF WESTERN ART (3.0 units)
ART 11A - FOUNDATION DRAWING (3.0 units)
PHOTO 21 - ELEMENTARY PHOTOGRAPHY (3.0 units)

CHANGE – UNITS, MODIFY REQUIRED COURSES, MODIFY ELECTIVES
PRODUCT DESIGN – TECHNOLOGY
36 units

The program prepares students with an interest and strengths in technology with a portfolio to enter the product design profession as an entry-level designer. The courses develop a focused range of knowledge and skills to seek employment as a product designer with an emphasis on production. Projects emphasize creativity, function, environmental, and social concerns in addition to technical skills.

Portfolios can also be used for transfer application.

Completion of all courses with a grade of C or better is required for the certificate.

Semester I (9 units)
ART 15 - SKETCHING FOR DESIGN (3.0 units)
ART 16 - PERSPECTIVE (3.0 units)
ART 31A - COLOR AND COMPOSITION--TWO DIMENSIONAL DESIGN (3.0 units)

Semester II (9 units)
ART 18 - RENDERING (3.0 units)
ART 33A - PRODUCT DESIGN APPLICATION (3.0 units)
EDT 8A - ENGINEERING GRAPHICS (3.0 units)

Semester III (9 units)
ART 33B - PRODUCT DESIGN APPLICATION (3.0 units)
PHOTO 30 - INTRODUCTION TO DIGITAL IMAGE EDITING (3.0 units)
EDT 17 - CONSTRUCTION DRAWING PRACTICES (3.0 units)

Semester IV (9 units)
ART 33C - PRODUCT DESIGN APPLICATION (3.0 units)
ART 155A - 3-D MODELING AND ANIMATION (3.0 units)
ARCH 10A - ARCHITECTURAL DESIGN FUNDAMENTALS (3.0 units)

Recommended Electives
ART 1A - HISTORY OF WESTERN ART (3.0 units)
ART 11A - FOUNDATION DRAWING (3.0 units)
PHOTO 21 - ELEMENTARY PHOTOGRAPHY (3.0 units)

INACTIVATED CERTIFICATES

BUSINESS AND COMPUTER TECHNOLOGY

FASHION – CUSTOM CLOTHING   16 units
CIS – INTERACTIVE SOFTWARE DEVELOPMENT   17 units

PERFORMING AND COMMUNICATION ARTS

TELEVISION AND RADIO – TELEVISION OPERATIONS TECHNOLOGY   43-44 units