

COMMITTEE MEETING
Wednesday, September 21, 2016
1:30 p.m.
Faculty Lounge Room 1246

CURRICULUM PROPOSAL MINUTES

NEW COURSES

COURSE ID	PROPOSAL TYPES	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
ART 113HF Honors Art History: Renaissance to Modern	Units: 3 Lecture: 3 Laboratory: 0 Prerequisites: NONE	25	The Fullerton College Honors Advisory Board recommends a class size of 25, to encourage a seminar environment, in which there is extensive instructor-student interaction, as well as extensive interaction between students.	2017 Fall	New Honors Course. Proposed for UC transfer, AA GE Area C1, CSU GE Area C1, and IGETC Area 3A.
BUS 186 F Funding Special Projects and New Ventures	Units: 1 Lecture: 1 Laboratory: 0 Prerequisites: NONE	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2017 Fall	New course requested by students to developing funding plans such as for a new business, education or study abroad.
BUS 245 F Business Law I	Units: 3 Lecture: 3 Laboratory: 0 Prerequisites: NONE	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.	2017 Fall	Replaces BUS 241AF
BUS 246 F Business Law II	Units: 3 Lecture: 3 Laboratory: 0 Prerequisite: BUS 245 F	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.	2017 Fall	New course replacing BUS 241BF to remove letter from course number.
BUS 295 F Business Internship	Units: 1-4 Lecture: 0 Laboratory: 3-12 Prerequisites:	25	This course is customized based on the internship placement and major of the student. Students engage in internships to gain career	2017 Fall	New Course that will eventually replace BUS 061. Hours are based on Lab Min: 60 hours / 18 = 3.333. Round to 3. Lab Max: 320 hours / 18 =



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	NONE		related experience and apply their academic knowledge to the work environment.		17.7777. Round to 18.
COMM 100 F Public Speaking	Units: 4 Lecture: 4 Laboratory: 0 Prerequisites: NONE	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2017 Fall	The department is changing its name from Speech to Communication Studies. All of the courses in the Speech department will have the Communication Studies prefix COMM, while maintaining their course numbers. This new course is replacing SPCH 100 F.
ETHS 150 F Introduction to Chicana/o Studies	Units: 3 Lecture: 3 Laboratory: 0 Prerequisites: NONE	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation through objective and subjective exams. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2017 Fall	Proposing this new course to better align with Cypress College. This course replaces ETHS 140 F (deletion proposal pending). This course is proposing for Multicultural requirement approval.
ETHS 153 F Chicana/o and Latina/o Contemporary Issues	Units: 3 Lecture: 3 Laboratory: 0 Prerequisites: NONE	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation through objective and subjective exams. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics. This class has historically been designated at 35 students to allow for discussion, group learning, individualized instruction, individualized feedback on student work and student presentations.	2017 Fall	Proposing this new course to better align with Cypress College. This course replaces ETHS 142F (deletion proposal pending). This course is proposing for Multicultural requirement approval.
ETHS 153HF Honors Chicana/o and Latina/o	Units: 3 Lecture: 3 Laboratory: 0 Prerequisites:	25	The Fullerton College Honors Advisory Board recommends a class size of 25, to encourage a seminar environment, in which	2017 Fall	Adding new ETHS 153HF honors course to align with the new course proposal for ETHS 153F. Adding:



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Contemporary Issues	NONE		there is extensive instructor-student interaction, as well as extensive interaction between students.		AA GE, CSU GE, UC, IGETC
PE 273 F Beginning Apparatus	Units: 2 Lecture: 0 Laboratory: 6 Prerequisites: NONE	25	Labs in which the instructor provides individualized feedback/evaluation during each class session. This course requires an extensive amount of personal attention to individual students throughout the entire semester to ensure safe and effective skill development.	2017 Fall	Course is designed to address repeatability issue with PE 226, and is intended to replace the beginning portion of that course. PE 226 will be deleted and replaced by PE 273 F (beginning) and PE 274 F (advanced).
PLEG 223 F Advanced Legal Research and Writing	Units: 3 Lecture: 3 Laboratory: 0 Prerequisite: PLEG 101 F and PLEG 104 F and PLEG 105 F	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure	2017 Fall	New class recommended by advisory group

REVISED COURSES

COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
ACCT 202 F Introduction to Cost Accounting Units: 3 Lecture: 3 Laboratory: 0	<ul style="list-style-type: none"> Add Distance Education(online) Add Distance Education(hybrid) Textbooks Method of Instruction Method of Evaluation Hours (WSCH Lecture and/or Lab) Units Revision Catalog Description Update Schedule Description Update Course Content (Changing the overall scope of the course) 	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation is primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.	2017 Fall	Revise course to add distance education (online), add distance education (hybrid), revise units and revise course title. The units are revised from from 4 to 3 to reflect the changes in the course content. Lecture hours revised from 5 to 3 hours.
BUS 181 F The Entrepreneurial Mindset Units: 3	<ul style="list-style-type: none"> Classification Code Revision Add Distance Education(online) 	35	While the instructor does lecture, much of the class time focuses on discussion, group	2017 Fall	Six-Year Review. Dramatically changing course to provide new concepts in



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<p>Lecture: 3 Laboratory: 0</p>	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Hours (WSCH Lecture and/or Lab) • Title Revision • Units Revision • Catalog Description Update • Schedule Description Update • Six-Year Review • TOPS Code Revision • FSA Code Revision • CSU GE Addition • Objectives Revision • AA GE Addition • Course Content (Changing the overall scope of the course) <p>GE: Associate Degree General Education Requirements Area D2: Social and Behavioral Sciences - Social Behavior and Self-Understanding</p>		<p>learning, and/or formal/informal student presentations. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.</p>		<p>entrepreneurship and apply for AA GE D2 and CSU GE D7 as this course meets the requirements of social, political and behavior but with a business perspective such as similar courses at Chabot College. Course title changed from Business Plan Developments to The Entrepreneurial Mindset to reflect a modern day course in teaching entrepreneurship. Hours changed FROM lecture 1.5/lab 1.5 to Lecture 3 to reflect new content and scope of revised class. Hours change results in Units revision from 2 to 3.</p>
<p>BUS 182 F Mobile Applications (APPs) for Business Units: 3 Lecture: 3 Laboratory: 0</p>	<ul style="list-style-type: none"> • Classification Code Revision • SAMS Code Revision • CIP Code Revision • Textbooks • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Title Revision • Catalog Description Update • Schedule Description Update • Advisory Addition • Six-Year Review • TOPS Code Revision • FSA Code Revision • Objectives Revision 	<p>35</p>	<p>While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.</p>	<p>2017 Fall</p>	<p>Six-Year Review. Nearly all areas updated, including Title Revision FROM Doing Business Online TO Mobile Applications (APPs) for Business to reflect new and current technologies. Added advisory to reflect the software being used in the class.</p>



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	<ul style="list-style-type: none"> Course Content (Changing the overall scope of the course) 				
<p>BUS 211 F Critical Reasoning and Writing for Business Units: 3 Lecture: 3 Laboratory: 0</p>	<ul style="list-style-type: none"> Textbooks Student Learning Outcomes Method of Instruction Method of Evaluation Title Revision Catalog Description Update Schedule Description Update Prerequisite Validation Six-Year Review CSU GE Addition <p>GE: Associate Degree General Education Requirements Area A2: Language and Rationality - Analytical Thinking</p>	27	Evaluation mostly through writing assignments with a minimum of 6000-8000 words. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics. For developmental classes, the amount of words may be less, but the amount of assignments and scope of assessment are similar to a transfer-level course.	2017 Fall	Six-Year Review. Updated Textbooks, Student Learning Outcomes, Prerequisite Validation, Method of Evaluation, Method of Instruction and catalog description. Updated title from Writing for Business to Critical Reasoning and Writing for Business to strengthen proposal for CSU GE Area A3 AND propose for FC AA GE Area A2.
<p>BUS 211HF Honors Critical Reasoning and Writing for Business Units: 3 Lecture: 3 Laboratory: 0</p>	<ul style="list-style-type: none"> Textbooks Method of Instruction Method of Evaluation Assignments Revision Title Revision Catalog Description Update Schedule Description Update Prerequisite Validation Six-Year Review CSU GE Addition <p>GE: CSU General Education Requirements Area A3: Communication in the English Language - Critical Thinking</p>	25	FC Honors Advisory Board recommends a class size of 25 to facilitate seminar format where students initiate and lead discussions and participate in inquiry-based learning.	2017 Fall	Six-Year Review. Updated Textbooks and Distance Ed Contact Types, Assignment Revision, Method of Evaluation, Method of Instruction, Prerequisite Validation and catalog Description. Updated name from Writing for Business to Critical Reasoning and Writing for Business to strengthen proposal CSU GE for area A3
<p>BUS 266 F Human Relations in Organizations Units: 3 Lecture: 3 Laboratory: 0</p>	<ul style="list-style-type: none"> Textbooks Student Learning Outcomes Method of Instruction Method of Evaluation Assignments Revision Title Revision Catalog Description Update 	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations.	2017 Fall	Six-Year Review. Title revision FROM Human Relations in Business TO Human Relations in Organizations, Textbooks, Assignments Revision, Method of



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	<ul style="list-style-type: none"> • Six-Year Review • FSA Code Revision • CSU GE Addition • Objectives Revision • Course Content (Changing the overall scope of the course) <p>GE: Associate Degree General Education Requirements Area D2: Social and Behavioral Sciences - Social Behavior and Self-Understanding</p>		Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.		Evaluation, Methods of Instruction, Objectives Revision, Student Learning Outcomes, Course content and descriptions to apply for CSU GE Area D7.
CIS 123 F Beginning Word Processing (MS Word) Units: 3 Lecture: 3 Laboratory: 0	<ul style="list-style-type: none"> • Textbooks • Student Learning Outcomes • Title Revision • Catalog Description Update • Objectives Revision 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2017 Fall	Six-Year Review. Title revised from Word Processing to Beginning Word Processing (MS Word) to improve student understanding of course levels.
CIS 124 F Advanced Word Processing (MS Word) Units: 3 Lecture: 3 Laboratory: 0	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Student Learning Outcomes • Assignments Revision • Title Revision • Catalog Description Update • Advisory Validation • Six-Year Review 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2017 Fall	Six-Year Review. Title changed from Advanced Word to Advanced Word Processing (MS Word) to give student better clarity in level and make course title consistent.
CIS 152 F Web Design I Units: 3 Lecture: 3	<ul style="list-style-type: none"> • Student Learning Outcomes • Assignments Revision • Title Revision 	30	Class time focuses on individualized instruction, student presentation time, and/or group	2017 Fall	Six-Year Review. Changing course title from Web Page Design II to Web Design I to reflect



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CIS 157 F Web Design II Units: 3 Lecture: 3 Laboratory: 0	<ul style="list-style-type: none"> Textbooks Student Learning Outcomes Title Revision Advisory Validation Six-Year Review 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics	2017 Fall	Six-Year Review. Changing course title from Dreamweaver I to Web Design II to reflect the changes in technology and current levels being taught. Course will be held at level 4.0 until programs catch up.
CIS 160 F Introduction to Cyber Security Units: 3 Lecture: 3 Laboratory: 1	<ul style="list-style-type: none"> CIP Code Revision Textbooks Course Content (that do not change the overall scope of the course) Student Learning Outcomes Method of Instruction Method of Evaluation Assignments Revision Title Revision Catalog Description Update Six-Year Review TOPS Code Revision 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2017 Fall	Six-Year Review. Title revised from Introduction to Computer Forensics to Introduction to Cyber Security to reflect change in current terminology and student understanding of the class. Will hold at 4.0 for programs to catch up.
CIS 165 F Cyber Security and Networking/Web Units: 3 Lecture: 3 Laboratory: 1	<ul style="list-style-type: none"> Textbooks Student Learning Outcomes Method of Instruction Method of Evaluation Hours (WSCH Lecture and/or Lab) Title Revision Catalog Description Update Advisory Validation 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills.	2017 Fall	Six-Year Review. Added missing 18 hours of lab that does not impact units. Title change from Computer Forensics and Networking to Cyber Security and Networking/Web to reflect current terminology and

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	<ul style="list-style-type: none"> • Six-Year Review 		Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.		student understanding of course. Course will be held at 4.0 for programs to catch up.
CIS 166 F Cyber Security and Operating Systems Units: 3 Lecture: 3 Laboratory: 1	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Student Learning Outcomes • Method of Instruction • Title Revision • Catalog Description Update • Schedule Description Update • Advisory Revision • Six-Year Review • TOPS Code Revision 	30	Class focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more programming assignments using advanced analytical and critical thinking skills.	2017 Fall	Six-Year Review. Title change from Operating Systems and Computer Forensics to Cyber Security and Operating Systems to reflect current terminology and student understanding of course. Updated advisory to CIS 160 F instead of general statement. Course will be held at 4.0 for programs to catch up. Programs Updated.
CIS 168 F Cyber Security Software Tools Units: 3 Lecture: 3 Laboratory: 1	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Title Revision • Catalog Description Update • Advisory Validation • Six-Year Review • TOPS Code Revision 	30	Class focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more programming assignments using advanced analytical and critical thinking skills.	2017 Fall	Six-Year Review. Title change from Tools for Computer and Network Forensics to Cyber Security Software Tools to reflect current terminology and student understanding of course. Will be held at 4.0 for programs to catch up.
CIS 171 F Ethical Hacking Units: 3 Lecture: 3 Laboratory: 1	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Title Revision • Catalog Description Update • Advisory Validation • Six-Year Review • TOPS Code Revision 	30	Class focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more programming assignments using advanced analytical and critical thinking skills.	2017 Fall	Six-Year Review. Title change from Network Intrusion and Detection to Ethical Hacking to reflect current terminology. Course will be held at 4.0 for programs to catch up.
CIS 177 F Web Design III Units: 3 Lecture: 3 Laboratory: 2	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Student Learning Outcomes • Method of Instruction • Title Revision • Catalog Description Update 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing	2017 Fall	Six-Year Review. Reworded existing advisory for clarity. Changing course title from Dreamweaver II to Web Design III to reflect



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	<ul style="list-style-type: none"> Schedule Description Update Advisory Revision Objectives Revision 		<p>assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics</p>		<p>the changes in technology and current levels being taught. Course will be held at level 4.0 until programs catch up.</p>
<p>CIS 180 F Introduction to Networking Concepts Units: 4 Lecture: 4 Laboratory: 0</p>	<ul style="list-style-type: none"> CIP Code Revision Textbooks Course Content (that do not change the overall scope of the course) Student Learning Outcomes Method of Instruction Hours (WSCH Lecture and/or Lab) Units Revision Catalog Description Update Six-Year Review Objectives Revision 	30	<p>Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.</p>	2017 Fall	<p>Six-Year Review Units changed from 3 to 4 due to new certification standards and requirements.</p>
<p>CIS 205 F Advanced Spreadsheet (MS Excel) Units: 3 Lecture: 3 Laboratory: 1</p>	<ul style="list-style-type: none"> Textbooks Course Content (that do not change the overall scope of the course) Student Learning Outcomes Method of Instruction Assignments Revision Hours (WSCH Lecture and/or Lab) Title Revision Catalog Description Update Advisory Revision Six-Year Review Objectives Revision 	30	<p>Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.</p>	2017 Fall	<p>Six-Year Review. Added reference to course CIS 106 F to existing advisory of "Ability to create and edit a spreadsheet" to clarify which course students could take to gain the advisory. Added BACK the 1 hour lab as it was previously deleted by mistake. Title changed from Spreadsheet (Advanced MS Excel) to Advanced Spreadsheet (MS Excel) to give students clarity in level and consistency in course names.</p>
<p>CIS 217 F Visual Basic Programming I Units: 4 Lecture: 4 Laboratory: 0</p>	<ul style="list-style-type: none"> Grading Options Revision CIP Code Revision Textbooks Student Learning Outcomes Hours (WSCH Lecture and/or Lab) Units Revision 	30	<p>Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more programming assignments using</p>	2017 Fall	<p>Six-Year Review. Units revised from 3 to 4 due to change in hours to reflect additional contents and requirements in certification. Added reference to course CIS</p>



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	<ul style="list-style-type: none"> Catalog Description Update Schedule Description Update Advisory Revision Six-Year Review TOPS Code Revision Objectives Revision Course Content (Changing the overall scope of the course) 		advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.		100 F to existing advisory of "Understanding of basic computer concepts" to clarify the course in which students could learn the skills.
CIS 222 F Computer Scripting Units: 3 Lecture: 3 Laboratory: 2	<ul style="list-style-type: none"> CIP Code Revision Textbooks Student Learning Outcomes Method of Instruction Method of Evaluation Assignments Revision Title Revision Catalog Description Update Advisory Validation Six-Year Review TOPS Code Revision FSA Code Revision 	25	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2017 Fall	Six year review. Title change from CGI/Perl Scripting to Computer Scripting to allow additional, current programming languages to be incorporated into the course. Course will be held at 4.0 for programs to catch up.
CIS 226 F Java Programming I Units: 4 Lecture: 4 Laboratory: 0	<ul style="list-style-type: none"> CIP Code Revision Textbooks Course Content (that do not change the overall scope of the course) Student Learning Outcomes Method of Instruction Method of Evaluation Assignments Revision Hours (WSCH Lecture and/or Lab) Units Revision Catalog Description Update Advisory Deletion Six-Year Review Objectives Revision 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2017 Fall	Six-Year Review. Hours changed from Lecture 3 Lab 2 to Lecture 4 Lab 0. Lab hours were changed to lecture as lab activities are now integrated into lecture material. Resulting unit change of 3 to 4 units. Class size revised from 25 to 30 because lecture/lab classrooms were integrated. TOP Code, SAM Code and FSA Codes added to update CNET records. Remove advisory because students no longer need these entry skills.
CIS 228 F Java Programming II Units: 4 Lecture: 4	<ul style="list-style-type: none"> SAMS Code Revision CIP Code Revision Textbooks Course Content (that do not 	30	Class time focuses on individualized instruction, student presentation time, and/or group	2017 Fall	Six-Year Review. Hours changed from Lecture 3 Lab 2 to Lecture 4 Lab 0. Lab hours were changed

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Laboratory: 0	<ul style="list-style-type: none"> change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Hours (WSCH Lecture and/or Lab) • Units Revision • Catalog Description Update • Schedule Description Update • Advisory Validation • Six-Year Review • TOPS Code Revision • FSA Code Revision • Class Size Revision • Objectives Revision 		learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	to lecture to replace stand-alone lab with in-class work. Resulting unit change of 3 to 4. Class size changes from 27 to 30 to be consistent with other classes in this field.
CIS 229 F XML Programming Units: 3 Lecture: 3 Laboratory: 1	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Hours (WSCH Lecture and/or Lab) • Units Revision • Catalog Description Update • Schedule Description Update • Advisory Validation • Six-Year Review • TOPS Code Revision • FSA Code Revision • Class Size Revision 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2017 Fall Six-Year Review. Class size changed from 25 to 30 to be consistent with other classes in this field. Lab hours changed from 2 to 1 and units correspondingly changed from 3.5 to 3 because there has been some integration of lecture and lab time, and to make the number of units a standard whole number.
CIS 281 F Introduction to Networking Hardware Units: 3 Lecture: 3 Laboratory: 1	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Title Revision • Catalog Description Update 	25	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class	2017 Fall Six-Year Review. Changed title "Intro" to "Introduction" to be consistent with other classes.

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	<ul style="list-style-type: none"> • Six-Year Review • TOPS Code Revision • Objectives Revision 		proceeds.		
CIS 290 F Linux / UNIX Operating System Units: 3 Lecture: 3 Laboratory: 2	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Title Revision • Catalog Description Update • Schedule Description Update • Advisory Validation • Six-Year Review 	25	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2017 Fall	Six-Year Review. Title change from UNIX Operating System to Linux / UNIX Operating System to reflect current practices and terminology.
COUN 141 F Career Exploration Units: 1 Lecture: 1 Laboratory: 0	<ul style="list-style-type: none"> • SAMS Code Revision • CIP Code Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Method of Instruction • Method of Evaluation • Catalog Description Update • Six-Year Review 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2017 Fall	Six-Year Review, textbook updates.
FASH 201 F Fashion Sewing Units: 2 Lecture: 1 Laboratory: 3	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Title Revision • Catalog Description Update • Schedule Description Update • Prerequisite Validation • Class Size Revision 	25	This course utilizes the Sewing Laboratory and requires garment(s) preparation and individual projects. Intensive individualized instruction and supervision of apparel preparation and sewing projects are required. This also includes close supervision to maintain student safety on machines related to the apparel industry. A larger class would not allow for	2017 Fall	Title revised FROM Clothing II TO Fashion Sewing. Update the class course skill level to intermediate, updating the name, and adding a advanced construction class in clothing, course and catalog revisions. Class size increased from 21 to 25 to align with CSPRD.

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			the many presentations or adequate supervision.		
FASH 202 F Display and Visual Merchandising Units: 2 Lecture: 1 Laboratory: 3	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Title Revision • Catalog Description Update • Schedule Description Update • Prerequisite Deletion • Objectives Revision 	25	This course utilizes the Lecture Laboratory and requires garments and display equipment and individual projects. A larger class would not allow for the many presentations. The instructor will give the students Individualized instruction and feedback during the course	2017 Fall	Updating course content, schedule and catalog descriptions. Title changed from Visual Merchandising to Display and Visual Merchandising in order to include store display planning, window and interior displays.
FASH 206 F Textiles Units: 4 Lecture: 3 Laboratory: 3	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Hours (WSCH Lecture and/or Lab) • Units Revision • Catalog Description Update • Schedule Description Update • Six-Year Review • Class Size Revision • Objectives Revision 	25	This course utilizes the Lecture Laboratory and requires textile testing and individual projects. A larger class would not allow for the many presentations. The instructor will give the students Individualized instruction and feedback during the course.	2017 Fall	Update units, course content units, class size, schedule and catalog description. Class size increase from 24 to 25 to align with the CSPRD. The hours are increasing to accommodate the additional course content. The CSU are changing their class to a 4 unit. Units changed from 3 to 4 units by adding 3 lab hours (lab hours from 0 to 3) in order to align/articulate with CSU 4 unit textile course.
FASH 220 F Retail and Fashion Buying Units: 3 Lecture: 3 Laboratory: 0	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Catalog Description Update 	25	This course utilizes the lecture laboratory and requires comparison of garments and individual projects. A larger class would not allow for the many presentations. The instructor will give the students Individualized instruction and feedback	2017 Fall	Updated course content, methods of evaluation, methods of instruction, textbook, and assignments.



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	<ul style="list-style-type: none"> Schedule Description Update Objectives Revision 		during the course.		
<p>FASH 242 F Fashion History: The Evolution of Dress, Culture and Style Units: 3 Lecture: 3 Laboratory: 0</p>	<ul style="list-style-type: none"> Classification Code Revision CIP Code Revision Textbooks Student Learning Outcomes Method of Instruction Method of Evaluation Assignments Revision Title Revision Catalog Description Update Schedule Description Update Class Size Revision Objectives Revision Course Content (Changing the overall scope of the course) 	25	This course utilizes the Lecture Laboratory and requires garment identifications and individual projects. A larger class would not allow for the many presentations. The instructor will give the students Individualized instruction and feedback during the course.	2017 Fall	Updating course content, schedule and catalog descriptions. Title changed from History of Costume to Fashion History: The Evolution of Dress, Culture and Style in order to be transferable and articulate to CSU. Class size increased from 24 to 25 to align with the CSPRD.
<p>FASH 297 F Fashion Design Portfolio Units: 2 Lecture: 1 Laboratory: 3</p>	<ul style="list-style-type: none"> CIP Code Revision Textbooks Student Learning Outcomes Method of Instruction Method of Evaluation Assignments Revision Hours (WSCH Lecture and/or Lab) Units Revision Catalog Description Update Schedule Description Update Prerequisite Revision TOPS Code Revision FSA Code Revision Class Size Revision Objectives Revision Course Content (Changing the overall scope of the course) 	25	This course utilizes the Lecture Laboratory and requires garment(s) drawing, computer workstations and individual projects. A larger class would not allow for the many presentations. The instructor will give the students Individualized instruction and feedback during the course.	2017 Fall	SLO's, enhancing course content, units, catalog, schedule description and textbook. Units revised from 1 to 2. Hours change FROM Lecture 1 Lab 0 TO Lecture 1 Lab 3. Lab hours were added because the students need extended time to complete the portfolio with instructors individual instruction. Prerequisite change FROM FASH 108BF and FASH 209AF TO FASH 088 F, FASH 108 F, FASH 109 F, FASH 209 F and FASH 284 F to reflect changes to the fashion industry. Increase class size from 20 to 25 in accordance with the Class Size Planning and Resource Document.



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<p>MUS 196HF Honors Creative Arts-Music Units: 3 Lecture: 3 Laboratory: 0</p>	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Evaluation • Assignments Revision • Hours (WSCH Lecture and/or Lab) • Catalog Description Update • Schedule Description Update • TOPS Code Revision • Objectives Revision 	<p>20</p>	<p>Honors courses are typically conducted with a student enrollment of 20. The course includes Instructor-led seminar discussions and student presentations, including oral reports in a seminar style, which instructor must assess individually. Instructor evaluation of students is also through writing assignments assessed for critical thinking, conceptual understanding, structure, style and mechanics. For Honors Courses, the amount of assignments and scope of assessment are expected to be of a higher level and quality than that of a typical transfer-level course. Also instructors spend time organizing and conducting field trips with students to museums, concerts, theatres, and other distant locales.</p>	<p>2017 Fall</p>	<p>6 Year Review. Lab hours changed from 1 to 0 to reflect current practice. AA GE Area C1, CSU GE Area C1, and IGETC Area 3A added to update CNET Records.</p>
<p>PE 115 F Golf Units: 1 Lecture: 0 Laboratory: 3</p>	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Units Revision • Catalog Description Update • Schedule Description Update • Six-Year Review • FSA Code Revision • Class Size Revision • Objectives Revision 	<p>25</p>	<p>Recommended class size, 25. The instructor supervises students as they proceed in their drills and answers questions, makes corrections regarding all golf skills.</p>	<p>2017 Fall</p>	<p>Six-Year Review. CSU GE Area E added to update Cnet records.</p>

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<p>PE 202 F Intercollegiate Baseball Units: 3 Lecture: 0 Laboratory: 10</p>	<ul style="list-style-type: none"> • Repeatabilty Revision • Textbooks • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Hours (WSCH Lecture and/or Lab) • Units Revision • Catalog Description Update • Schedule Description Update • Prerequisite Addition • Six-Year Review • Objectives Revision 	40	<p>Labs in which the instructor supervises students as they proceed in their work and answers questions, but does NOT provide extensive individualized feedback/evaluation on a regular basis.</p>	2017 Fall	<p>Six-Year Review, SLO's, Units changed from 2 to 3 because of the many advanced theories and applications of baseball. Learning the various rules and applications of baseball in regards to compliance with game rules, advanced theories involved with the collegiate level of play, involvement of extended practice sessions, strength development, and the ability to perform at an extremely competitive level.</p>
<p>PE 252 F Introduction to Kinesiology Units: 3 Lecture: 3 Laboratory: 0</p>	<ul style="list-style-type: none"> • Course Content (that do not change the overall scope of the course) • Method of Instruction 	35	<p>While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.</p>	2017 Spring	<p>MINOR REVISION. CID approval per state request. Updated Course Content, Objectives and Methods Instruction.</p>
<p>PE 280 F Theory of Coaching Baseball Units: 3 Lecture: 3 Laboratory: 1</p>	<ul style="list-style-type: none"> • Repeatabilty Revision • Textbooks • Student Learning Outcomes • Hours (WSCH Lecture and/or Lab) • Title Revision • Catalog Description Update • Schedule Description Update • Fee Revisions • Advisory Addition • Six-Year Review • Objectives Revision 	30	<p>Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics</p>	2017 Fall	<p>Six-Year Review, SLO's, Title change from "Professional Activities Theory of Baseball" TO "Theory of Coaching Baseball". Units changed from 2 to 3 because the breadth and scope of Baseball Theory includes various advanced theories of baseball. These advanced theories include the process of implementing various philosophies in the teaching content. For example, the skill of bunting includes</p>



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					advanced knowledge and execution of skills such as the "Suicide Squeeze" bunt and the "Safety Squeeze" bunt amongst other advanced baseball theories.
PLEG 210 F Paralegal Internship Units: 1-4 Lecture: 1 Laboratory: 3-12	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Hours (WSCH Lecture and/or Lab) • Catalog Description Update • Schedule Description Update • Prerequisite Validation • Unit Revision • Six-Year Review 	25	Instructor coordinates internship/field practice opportunities and supervises students at different locations	2017 Fall	Six-Year Review. Updated catalog description, textbook and Schedule description. Unit revised from 1-4 to 2-4, lab (internship) hours revised from 5-20 to 3-9. This reflects 1 to 3 units earned through internship. Each 60 hours per term of unpaid supervised employment is required for one unit of credit (per Title 5).

DELETE COURSES

COURSE ID	EFF DATE	JUSTIFICATION
BUS 061 F Business Skills Internship	2017 Fall	Course Deletion - being replaced by BUS 295 F.
BUS 241AF Business Law	2017 Fall	Deleting to remove Letter; replaced by BUS 245 F.
BUS 241BF Business Law	2017 Fall	Deleting to remove Letter; replaced by BUS 246 F.
BUS 269 F Managing Business Projects	2017 Fall	Course is no longer needed or relevant per Business Management department. 9/1/2015. Will be held at 4.0 for programs to catch up.
CIS 050 F Web Page Design I	2017 Fall	Shell course for deletion. New laws require new courses instead of shells.
CIS 123AF Word Processing I (MS Word)	2017 Fall	Course deletion and being replaced with CIS 123 F.
CIS 123BF Word Processing II	2017 Fall	This course has been replaced by CIS 124, approved for Fall 2014.
CIS 151 F Internet Research	2017 Fall	DELETION. Course is being deleted since content has been moved to other courses. NO PROGRAM impacts has been verified.
CIS 252 F Web Page Design III	2017 Fall	Course content put into CIS 152 - ok to delete this course per CIS dept.



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CIS 254 F JavaScript Programming II	2017 Fall	Course content put into CIS 154 - ok to delete this course per CIS dept. Course will be held at level 4.0 for programs to catch up.
CIS 257 F Dreamweaver III	2017 Fall	Course is being deleted as it is no longer needed and has not been offered in over 5 years. Course has been removed from the programs in which it was previously included.
ETHS 141 F Chicana/Chicano History	2017 Fall	Course will be replaced by two new courses, ETHS 151 F and ETHS 152 F.
ETHS 142 F The Chicano-a/Latino-a in Contemporary Society	2017 Fall	Course being replaced by new course ETHS 153 F.
OT 060DF Keyboarding - Adv Formatting	2017 Fall	No program impact. The OT program is being eliminated. All courses and programs are being deleted.
OT 060EF Research Paper Prep with Word	2017 Fall	No course impact. The OT program is being eliminated. All courses and programs are being deleted.
OT 070 F Business Protocol and Ethics	2017 Fall	This course was replaced by BUS 115 F. The OT program is being eliminated. All courses and programs are being deleted.
OT 071 F Professional Business Entertaining and Dining: Protocol and Etiquette	2017 Fall	No course impact. The OT program is being eliminated. All courses and programs are being deleted.
OT 072 F Presenting a Professional Image for Business Travel: Protocol and Etiquette	2017 Fall	No course impact. The OT program is being eliminated. All courses and programs are being deleted.
OT 073 F Introductions, Business Meetings, Networking, and Techno Etiquette	2017 Fall	No program impact. The OT program is being eliminated. All courses and programs are being deleted.
OT 081 F Keyboarding: Speed & Accuracy	2017 Fall	This course was replaced by CIS 123 F. The OT program is being eliminated. All courses and programs are being deleted.

NEW DEGREES/CERTIFICATES

DEGREE	PROGRAM OUTLINE	EFF DATE	JUSTIFICATION
Biology	The Biology Associate in Science Degree for Transfer, also called the Biology AS-T Degree, prepares students to transfer to CSU campuses that offer bachelor's degrees in biology. Ed Code Section 66746-66749 states that students earning the Biology AS-T Degree will be granted priority for admission as a biology major to a local CSU, as determined by the CSU campus to which the student applies. This degree requires students to complete 60 CSU transferable units including completion of CSU GE or	2017 Fall	New degree that follows the Transfer Model Curriculum mandated by SB 1440.

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<p>IGETC and 27 units in the major with a cumulative GPA of 2.0 or better. Title 5 requires that students earn a grade of "C" or better in all major coursework. There are no additional graduation requirements. Students with a degree in biology may pursue careers in a variety of fields such as health care, biomedical/pharmaceutical research, education, environmental technology and more. A biology degree may also facilitate entry into various graduate or professional programs. The Biology AS-T Degree requires a total of 35 units of required courses and restricted electives as indicated below.</p> <p>Biology Associate in Science Degree for Transfer</p> <p>Required Courses (9 units)</p> <table style="margin-left: 40px;"> <tr> <td></td> <td style="text-align: right;">Units</td> </tr> <tr> <td>BIOL 170 F Organismal Biology</td> <td style="text-align: right;">5</td> </tr> <tr> <td>BIOL 272 F Cell and Molecular Biology</td> <td style="text-align: right;">4</td> </tr> </table> <p>List A (22 units)</p> <p>The student must complete 10 units of CHEM, 4 units of MATH, and an 8-unit sequence of PHYS from the list below.</p> <table style="margin-left: 40px;"> <tr> <td></td> <td style="text-align: right;">Units</td> </tr> <tr> <td>CHEM 111AF General Chemistry I</td> <td style="text-align: right;">5</td> </tr> <tr> <td>CHEM 111BF General Chemistry II</td> <td style="text-align: right;">5</td> </tr> <tr> <td>MATH 151 F Calculus I</td> <td style="text-align: right;">4</td> </tr> <tr> <td>or</td> <td></td> </tr> <tr> <td>MATH 151HF Honors Calculus I</td> <td style="text-align: right;">4</td> </tr> <tr> <td>PHYS 205 F Physics for the Life Sciences I</td> <td style="text-align: right;">4</td> </tr> <tr> <td>PHYS 206 F Physics for the Life Sciences II</td> <td style="text-align: right;">4</td> </tr> <tr> <td>or</td> <td></td> </tr> <tr> <td>PHYS 210 F Physics with Calculus for the Life Sciences I</td> <td style="text-align: right;">4</td> </tr> <tr> <td>PHYS 211 F Physics with Calculus for the Life Sciences II</td> <td style="text-align: right;">4</td> </tr> <tr> <td>or</td> <td></td> </tr> <tr> <td>PHYS 221 F General Physics I</td> <td style="text-align: right;">4</td> </tr> <tr> <td>PHYS 222 F General Physics II</td> <td style="text-align: right;">4</td> </tr> </table>		Units	BIOL 170 F Organismal Biology	5	BIOL 272 F Cell and Molecular Biology	4		Units	CHEM 111AF General Chemistry I	5	CHEM 111BF General Chemistry II	5	MATH 151 F Calculus I	4	or		MATH 151HF Honors Calculus I	4	PHYS 205 F Physics for the Life Sciences I	4	PHYS 206 F Physics for the Life Sciences II	4	or		PHYS 210 F Physics with Calculus for the Life Sciences I	4	PHYS 211 F Physics with Calculus for the Life Sciences II	4	or		PHYS 221 F General Physics I	4	PHYS 222 F General Physics II	4	
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	<p>List B (4 units)</p> <p style="text-align: right;">Units</p> <p>BIOL 274 F General Ecology 4</p> <p>Total Units 35</p>		
Biology	<p>The Biotechnology Level I: Lab Assistant Skills Certificate is the first certificate of the Biotechnology series. This certificate will prepare a student to work in entry-level positions in biotech and science-related industries. This program is focused on practical laboratory skills with training in a working laboratory setting. Employment opportunities include: biomedical industry, academic research labs, pharmaceutical industry, agriculture and food science labs. The Biotechnology Level 1: Lab Assistant Skills Certificate requires 8-13 units in required courses, with a grade of C or better in each course. Biotechnology Level I: Lab Assistant Skills Certificate</p> <p>Required Courses (8-13 units)</p> <p style="text-align: right;">Units</p> <p>BIOL 190 F Introduction to Biotechnology 3</p> <p>BIOL 190LF Introduction to Biotechnology Lab 1</p> <p>BIOL 191 F Biotechnology A: Basic Laboratory Skills 4</p> <p>CHEM 101 F Chemistry for Allied Health Science 5</p> <p>or</p> <p>CHEM 107 F Preparation for General Chemistry 5</p> <p>or</p> <p>Minimum score of 80% on the Chemistry Assessment.</p> <p>Total Units 8 - 13</p>	2017 Fall	<p>The curriculum prepares students to work in entry level positions in the field of biotechnology in high-tech industry and academic institutions. This program provides an overview of the biotech-related industries and practical laboratory skills with training in a working laboratory setting. Employment opportunities include: biomedical industry, academic research labs, the pharmaceutical industry, agriculture, food science labs, and genetic engineering labs. This is the first certificate of a three-tiered certificate program.</p>
Biology	<p>The Biotechnology Level II: Biomanufacturing Technician Certificate is the second certificate of the Biotechnology series. This certificate focuses on practical laboratory skills of protein biochemistry combined with training in quality assurance and quality control. The curriculum prepares a student to work in entry level positions in the field of biotechnology in high-tech industry and institutions. Employment opportunities include: biomedical industry,</p>	2017 Fall	<p>This Biotechnology Level II certificate of achievement is designed for students who wish to obtain the skills required to gain employment in industries influenced by biotechnology as well as for incumbent workers seeking career opportunities.</p>

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	<p>academic research labs, pharmaceutical, agriculture and food science labs. This Biotechnology Level II certificate requires the completion of the Biotechnology Level I Certificate (8-13 units), plus 11 units in required courses, for a total of 19-24 units. A grade of C or better is required in each course taken.</p> <p>Biotechnology Level II: Biomanufacturing Technician Certificate</p> <p>Completion of Biotechnology I Certificate (8-13 units), plus Units</p> <p>Required Courses (11 units) Units</p> <p>BIOL 192 F Biotechnology B: Protein Biochemistry 4</p> <p>BIOL 194 F Quality and Regulatory Compliance in the Biosciences 2</p> <p>CHEM 201 F Biochemistry for Allied Health Science 5</p> <p>or CHEM 111AF General Chemistry I 5</p> <p>Total Units 19 - 24</p>		<p>Upon completion of this certificate program, students will be eligible to obtain employment as laboratory assistants or biomanufacturing technicians.</p>
<p>Computer Information Systems</p>	<p>The Computer Technician Analyst Certificate (level two) is designed for students who intend to pursue employment in network administration or computer technical support positions. This certificate option requires completion of the Computer Technician Apprentice Certificate and additionally provides advanced courses in Windows server, Linux/unix, and windows active directory. This certificate requires 22 units of required courses. A minimum grade of C is required in each course taken.</p> <p>Computer Technician Analyst Certificate</p> <p>Required Courses (13 units) from Level One (Apprentice) Units</p> <p>CIS 107 F Introduction to Operating Systems 3</p> <p>CIS 180 F Introduction to Networking Concepts 4</p> <p>CIS 181 F Computer Certification Preparation 3</p> <p>CIS 281 F Introduction to Networking Hardware 3</p>	<p>2017 Fall</p>	<p>New Program developed as part of the state initiative to improve office/information worker skill set. This is the second level of a stackable certificate.</p>



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	<p>Required Courses (9 units)</p> <p style="text-align: right;">Units</p> <p>CIS 285 F Windows Server 3</p> <p>CIS 289 F Windows Active Directory 3</p> <p>CIS 290 F Linux / UNIX Operating System 3</p> <p>Total Units 22</p>		
<p>Computer Information Systems</p>	<p>The Computer Technician Apprentice Certificate (level one) is designed to provides students with the fundamentals of operating systems, networks and the certification process. The program will prepare students who intend to pursue employment in entry-level network administration or computer technical support positions. This certificate requires 13 units of required courses. A minimum grade of C is required in each course taken.</p> <p>Computer Technician Apprentice Certificate</p> <p>Required Courses (13 units)</p> <p style="text-align: right;">Units</p> <p>CIS 107 F Introduction to Operating Systems 3</p> <p>CIS 180 F Introduction to Networking Concepts 4</p> <p>CIS 181 F Computer Certification Preparation 3</p> <p>CIS 281 F Introduction to Networking Hardware 3</p> <p>Total Units 13</p>	<p>2017 Fall</p>	<p>New program based on state initiative to help improve jobs for information workers. This is the first part of a stackable certificate to encourage students to continue learning.</p>
<p>Computer Information Systems</p>	<p>The Cyber Security Analyst Certificate (level two) is designed to prepare students who intend to pursue employment in entry-level cyber-security/forensics positions. The program provides additional technical and managerial skills to analyze cyber security threats from a variety of perspectives at the enterprise and national levels. This certificate option requires completion of the Cyber Security Technician Certificate and additionally provides advanced courses in ethical hacking, cyber-security tools and networking. This certificate requires 30 units. A minimum grade of C is required in each course taken.</p>	<p>2017 Fall</p>	<p>This is the second level of three tiered certificates. Enhanced cyber-security programs were recommended by the advisory group, it is one of the fastest growing CTE programs and FC is part of a growing network of colleges working together to offer cyber-security programs.</p>

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	<p>Cyber Security Analyst Certificate</p> <p>Required Courses (18 units) from Level One (Technician) Units</p> <p>CIS 107 F Introduction to Operating Systems 3</p> <p>CIS 109 F Personal Computer Security 2</p> <p>CIS 160 F Introduction to Cyber Security 3</p> <p>CIS 180 F Introduction to Networking Concepts 4</p> <p>CIS 183 F Network Security Fundamentals 3</p> <p>CIS 222 F Computer Scripting 3</p> <p>Required Courses (12 units) Units</p> <p>CIS 165 F Cyber Security and Networking/Web 3</p> <p>CIS 168 F Cyber Security Software Tools 3</p> <p>CIS 171 F Ethical Hacking 3</p> <p>CIS 290 F Linux / UNIX Operating System 3</p> <p>Total Units 30</p>		
Computer Information Systems	<p>The Cyber Security Master Certificate (level three) is designed to prepare students who intend to pursue employment in cyber-security/forensics positions. The program provides a comprehensive knowledge and training in technical and managerial skills to analyze cyber security threats from a variety of perspectives at the enterprise and national levels. This certificate option requires completion of the Cyber Security Analyst Certificate and additionally provides advanced courses in programming and operating systems. This certificate requires 40 units of required courses. A minimum grade of C is required in each course taken.</p> <p>Cyber Security Master Certificate</p> <p>Required Courses (18 units) from Level One (Technician) Units</p> <p>CIS 107 F Introduction to Operating Systems 3</p>	2017 Fall	This is the third level of three stacked certificates. Enhanced cyber-security programs were recommended by the advisory group, it is one of the fastest growing CTE programs and FC is part of a growing network of colleges working together to offer cyber-security programs. The courses from the level two certificate are required.

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	<p>CIS 109 F Personal Computer Security 2</p> <p>CIS 160 F Introduction to Cyber Security 3</p> <p>CIS 180 F Introduction to Networking Concepts 4</p> <p>CIS 183 F Network Security Fundamentals 3</p> <p>CIS 222 F Computer Scripting 3</p> <p>Required Courses (12 units) from Level Two (Analyst) Units</p> <p>CIS 165 F Cyber Security and Networking/Web 3</p> <p>CIS 168 F Cyber Security Software Tools 3</p> <p>CIS 171 F Ethical Hacking 3</p> <p>CIS 290 F Linux / UNIX Operating System 3</p> <p>Required Courses (10 units) Units</p> <p>CIS 166 F Cyber Security and Operating Systems 3</p> <p>CIS 223 F Programming in C++ 3</p> <p>CIS 226 F Java Programming I 4</p> <p>Total Units 40</p>		
Computer Information Systems	<p>The Cyber Security Technician Certificate (level one) is designed to prepare students who intend to pursue employment in entry-level cyber-security/forensics positions. The program provides the foundation skills to analyze cyber security threats from a variety of perspectives at the enterprise and national levels. This certificate requires 18 units. A minimum grade of C is required in each course taken.</p> <p>Cyber Security Technician Certificate</p> <p>Required Courses (18 Units) Units</p> <p>CIS 107 F Introduction to Operating Systems 3</p> <p>CIS 109 F Personal Computer Security</p>	2017 Fall	This is the first level of three stacked certificates. Enhanced cyber-security programs were recommended by the advisory group, it is one of the fastest growing CTE programs and FC is part of a growing network of colleges working together to offer cyber-security programs.



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	<p style="text-align: center;">2</p> <p>CIS 160 F Introduction to Cyber Security</p> <p style="text-align: center;">3</p> <p>CIS 180 F Introduction to Networking Concepts</p> <p style="text-align: center;">4</p> <p>CIS 183 F Network Security Fundamentals</p> <p style="text-align: center;">3</p> <p>CIS 222 F Computer Scripting</p> <p style="text-align: center;">3</p> <p>Total Units</p> <p style="text-align: center;">18</p>		
<p>Computer Information Systems</p>	<p>The Office Applications Technician Certificate is designed to prepare students for a career using computers and computer software in a business environment including communication software like email and modern business software applications such as word processing, spreadsheets, presentations, and databases. A minimum grade of C is required in each course taken. This degree requires 29-31 units.</p> <p>Office Applications Technician Certificate</p> <p>Office Applications Apprentice Required courses (11 units)</p> <p style="text-align: center;">Units</p> <p>CIS 104 F Presentation Graphics</p> <p style="text-align: center;">3</p> <p>CIS 106 F Beginning Spreadsheet (MS Excel)</p> <p style="text-align: center;">3</p> <p>CIS 123 F Beginning Word Processing (MS Word)</p> <p style="text-align: center;">3</p> <p>CIS 148 F Introduction to Personal Computer Communications</p> <p style="text-align: center;">2</p> <p>Office Applications Apprentice Certificate, Choose 6 units from the following list of courses.</p> <p style="text-align: center;">Units</p> <p>CIS 124 F Advanced Word Processing (MS Word)</p> <p style="text-align: center;">3</p> <p>CIS 152 F Web Design I</p> <p style="text-align: center;">3</p> <p>CIS 153 F Business Web Graphics</p> <p style="text-align: center;">3</p> <p>CIS 205 F Advanced Spreadsheet (MS Excel)</p> <p style="text-align: center;">3</p> <p>Office Applications Apprentice Certificate, Choose 3-4 units from the following list of courses.</p>	<p>2017 Fall</p>	<p>This new program is the second level of a stacked certificate, designed to complement the level one program, Office Applications Apprentice Certificate.</p>



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	Units		
	CIS 107 F Introduction to Operating Systems		
	3		
	CIS 180 F Introduction to Networking Concepts		
	4		
	CIS 281 F Introduction to Networking Hardware		
	3		
	CIS 285 F Windows Server		
	3		
	Choose 9-10 units from the following list of courses.		
	Units		
	ACCT 107 F Computerized Accounting with QuickBooks		
	3		
	MKT 151 F New Media Marketing		
	3		
	CIS 107 F Introduction to Operating Systems		
	3		
	CIS 124 F Advanced Word Processing (MS Word)		
	3		
	CIS 142 F Database I		
	3		
	CIS 152 F Web Design I		
	3		
	CIS 153 F Business Web Graphics		
	3		
	CIS 180 F Introduction to Networking Concepts		
	4		
	CIS 281 F Introduction to Networking Hardware		
	3		
	CIS 285 F Windows Server		
	3		
	Total Units		
	29 - 31		

REVISED PROGRAMS

DEGREE	PROGRAM OUTLINE	EFF DATE	JUSTIFICATION
Business	<p>Business Administration Associate in Arts Degree</p> <p>The Business Administration Associate in Arts Degree is designed for students planning to find employment in such areas as finance, marketing, economics, advertising, human resource management, business administration and management. The degree is designed to transfer to a four-year institution. Completion of this degree will allow</p>	2017 Fall	<p>Six year review. TOPS code reloaded from previous copy. Re-loaded Program Outcomes into CurricUNET. Courses Updated for title: BUS211.</p> <p>Course deleted: BUS241A, BUS241B, MATH150A</p> <p>Updated units to better reflect</p>



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	<p>faster completion of a four-year degree. This degree requires 18-22 units chosen from the list below. Complete 18-22 units from the following:</p> <p style="text-align: center;">Units</p> <p>ACCT 101AF Financial Accounting 5</p> <p>ACCT 101BF Managerial Accounting 5</p> <p>BUS 100 F Introduction to Business 3</p> <p>BUS 131 F Principles of International Business 3</p> <p>BUS 180 F Small Business Management 3</p> <p>BUS 211 F Critical Reasoning and Writing for Business 3</p> <p>BUS 240 F Legal Environment of Business 3</p> <p>or</p> <p>BUS 245 F * Business Law I 3</p> <p>BUS 246 F Business Law II 3</p> <p>CIS 100 F Introduction to Personal Computers 4</p> <p>or</p> <p>CIS 111 F Introduction to Information Systems 4</p> <p>ECON 101 F Principles of Economics - Micro 3</p> <p>ECON 102 F Principles of Economics-Macro 3</p> <p>MATH 120 F Introductory Probability and Statistics 4</p> <p>MATH 130 F Calculus for Business 4</p> <p>or</p> <p>MATH 151 F Calculus I 4</p> <p>MKT 100 F Introduction to Marketing 3</p> <p>Total Units 18 - 22</p> <p>* See counselor for determination of correct course.</p>		<p>course choices. Courses Added: BUS245, BUS246, MATH151 CIS 100 (was in catalog, not curriculum) Total unit count updated from 18 to a 18-22 range.</p>
Business	Business Administration Associate in Science Degree for Transfer	2017 Fall	Six Year Review. Updating courses with title changes - BUS 211 F. Deleted BUS 241AF and replaced



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<p>Business Administration Associate in Science Degree for Transfer The Associate in Science in Business Administration for Transfer, also called the Business Administration AS-T Degree, prepares students to transfer to CSU campuses that offer bachelor's degrees in Business Administration. Ed Code Section 66746-66749 states students earning the Business Administration AS-T degree will be granted priority for admission as a Business Administration major to a local CSU, as determined by the CSU campus to which the student applies. This degree requires students to complete 60 CSU transferable units including completion of CSU GE or IGETC and 29-31 units in the major with a cumulative GPA of 2.0 or better. Title 5 requires that students earn a grade of C or better in all major coursework. There are no additional graduation requirements. Business Administration prepares students to enter the job market with an ability to identify and solve business problems. Coursework provides a solid base of knowledge and understanding of fundamental business aspects, beginning with the basics, and emphasizing a foundation in marketing, advertising, management, human relations, finance, communication, writing, business law and international business. While a baccalaureate degree is recommended preparation for those considering business focused careers, the completion of this curriculum will demonstrate commitment to the business field and provide preparation for upper-division work. The Business Administration AS-T Degree requires a total of 29-31 units of required courses and restricted electives from the categories as indicated below.</p> <p>Required Core Courses: (19 Units)</p> <table style="margin-left: 40px;"> <tr> <td></td> <td style="text-align: center;">Units</td> </tr> <tr> <td>ACCT 101AF Financial Accounting</td> <td style="text-align: center;">5</td> </tr> <tr> <td>or</td> <td></td> </tr> <tr> <td>ACCT 102HF Honors Financial Accounting</td> <td style="text-align: center;">5</td> </tr> <tr> <td>ACCT 101BF Managerial Accounting</td> <td style="text-align: center;">5</td> </tr> <tr> <td>ECON 101 F Principles of Economics - Micro</td> <td style="text-align: center;">3</td> </tr> <tr> <td>or</td> <td></td> </tr> <tr> <td>ECON 101HF Honors Principles of Economics - Micro</td> <td style="text-align: center;">3</td> </tr> <tr> <td>ECON 102 F Principles of Economics-Macro</td> <td style="text-align: center;">3</td> </tr> <tr> <td>or</td> <td></td> </tr> <tr> <td>ECON 102HF Honors Principles of Economics-Macro</td> <td></td> </tr> </table>		Units	ACCT 101AF Financial Accounting	5	or		ACCT 102HF Honors Financial Accounting	5	ACCT 101BF Managerial Accounting	5	ECON 101 F Principles of Economics - Micro	3	or		ECON 101HF Honors Principles of Economics - Micro	3	ECON 102 F Principles of Economics-Macro	3	or		ECON 102HF Honors Principles of Economics-Macro		<p>with BUS 245 F. Corrected units previously updated by accounting courses and program never updated. Included honors versions of courses in program.</p>
	Units																						
ACCT 101AF Financial Accounting	5																						
or																							
ACCT 102HF Honors Financial Accounting	5																						
ACCT 101BF Managerial Accounting	5																						
ECON 101 F Principles of Economics - Micro	3																						
or																							
ECON 101HF Honors Principles of Economics - Micro	3																						
ECON 102 F Principles of Economics-Macro	3																						
or																							
ECON 102HF Honors Principles of Economics-Macro																							



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	<p style="text-align: center;">3</p> <p>BUS 245 F Business Law I</p> <p style="text-align: center;">3</p> <p>or</p> <p>BUS 240 F Legal Environment of Business</p> <p style="text-align: center;">3</p> <p>or</p> <p>BUS 240HF Honors Legal Environment of Business</p> <p style="text-align: center;">3</p> <p>List A: Select 1 of the following: (4 units, 4 may be GE)</p> <p style="text-align: center;">Units</p> <p>MATH 120 F Introductory Probability and Statistics</p> <p style="text-align: center;">4</p> <p>or</p> <p>MATH 120HF Honors Introductory Probability and Statistics</p> <p style="text-align: center;">4</p> <p>or</p> <p>MATH 130 F Calculus for Business</p> <p style="text-align: center;">4</p> <p>List B: Select 2 of the following: (6-8 units).</p> <p style="text-align: center;">Units</p> <p>Any course from List A not already chosen</p> <p>CIS 111 F Introduction to Information Systems</p> <p style="text-align: center;">4</p> <p>or</p> <p>CIS 111HF Honors Introduction to Information Systems</p> <p style="text-align: center;">4</p> <p>BUS 100 F Introduction to Business</p> <p style="text-align: center;">3</p> <p>BUS 211 F Critical Reasoning and Writing for Business</p> <p style="text-align: center;">3</p> <p>or</p> <p>BUS 211HF Honors Critical Reasoning and Writing for Business</p> <p style="text-align: center;">3</p> <p>Total Units</p> <p style="text-align: center;">29 - 31</p>		
Business	<p>Business Management Associate in Science Degree</p> <p>The Business Management Associate in Science Degree is designed to prepare students for employment in a business capacity. The focus of the program is skill building in the areas of communication, decision-making,</p>	2017 Fall	<p>Six-Year Review. -Updated new BUS211 Course Name and Honors version</p> <p>-Replaced BUS241A with new BUS245 Law I</p> <p>-Added BUS268 (Human Resource</p>



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<p>planning, organizing, and evaluating. Emphasis on problem solving, leadership, and critical thinking skills is stressed to prepare students for employment and or transfer to a four year college or university. This degree requires 31-34 units.</p> <p>One course from the following for a total of 4 units: Units</p> <p>CIS 100 F Introduction to Personal Computers 4</p> <p>CIS 111 F Introduction to Information Systems 4</p> <p>One course from the following for a total of 3-5 units: Units</p> <p>ACCT 001 F Accounting for Small Business 3</p> <p>ACCT 100BF Financial Accounting Principle 3</p> <p>ACCT 101AF Financial Accounting 5</p> <p>One course from the following for a total of 3 units: Units</p> <p>BUS 111 F Business Communications 3</p> <p>BUS 211 F Critical Reasoning and Writing for Business 3</p> <p>One course from the following for a total of 3 units: Units</p> <p>BUS 100 F Introduction to Business 3</p> <p>BUS 131 F Principles of International Business 3</p> <p>BUS 180 F Small Business Management 3</p> <p>One course from the following for a total of 3 units: Units</p> <p>BUS 162 F Business Economics 3</p> <p>ECON 101 F Principles of Economics - Micro 3</p> <p>BUS 251 F Business Finance 3</p> <p>One course from the following for a total of 3 units: (See counselor for determination of correct course)</p>	<p>Management); Updated program description. -Added BUS112 Units changed from 31-33 to 31-34 due to new courses.</p>
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	<p style="text-align: center;">Units</p> <p>BUS 240 F Legal Environment of Business 3</p> <p>BUS 245 F Business Law I 3</p> <p>Three courses from the following for a total of 9-10 units: Units</p> <p>BUS 112 F Public Speaking for Business 4</p> <p>BUS 225 F International Management 3</p> <p>BUS 262 F Principles of Management 3</p> <p>BUS 266 F Human Relations in Organizations 3</p> <p>BUS 267 F Principles of Supervision 3</p> <p>BUS 268 F Human Resource Management 3</p> <p>BUS 271 F Leadership and Business Ethics 3</p> <p>One course from the following for a total of 3 units: Units</p> <p>MKT 100 F Introduction to Marketing 3</p> <p>MKT 151 F New Media Marketing 3</p> <p>BUS 224 F International Marketing 3</p> <p>Total Units 31 - 34</p>		
Business	<p>Business Management Certificate</p> <p>The Business Management Certificate is designed to prepare students for employment in a business capacity. The focus of the program is skill building in the areas of communication, decision-making, planning, organizing, and evaluating. Emphasis on problem solving, leadership, and critical thinking skills is stressed to prepare students for employment. This certificate requires 31-34 units. One course from the following for a total of 4 units: Units</p> <p>CIS 100 F Introduction to Personal Computers 4</p> <p>CIS 111 F Introduction to Information Systems</p>	2017 Fall	Six-Year Review. -Updated new BUS211 Course Name and Honors version -Replaced BUS241A with new BUS245 Law I -Added BUS268 (Human Resource Management) -Added BUS112 Units changed from 31-33 to 31-34 due to new courses.

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	4		
	<p>One course from the following for a total of 3-5 units:</p> <p style="text-align: center;">Units</p> <p>ACCT 001 F Accounting for Small Business 3</p> <p>ACCT 100AF Financial Accounting Principle 3</p> <p>ACCT 101AF Financial Accounting 5</p> <p>One course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 111 F Business Communications 3</p> <p>BUS 211 F Critical Reasoning and Writing for Business 3</p> <p>One course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 100 F Introduction to Business 3</p> <p>BUS 131 F Principles of International Business 3</p> <p>BUS 180 F Small Business Management 3</p> <p>One course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 162 F Business Economics 3</p> <p>ECON 101 F Principles of Economics - Micro 3</p> <p>BUS 251 F Business Finance 3</p> <p>One course from the following for a total of 3 units: (See counselor for determination of correct course)</p> <p style="text-align: center;">Units</p> <p>BUS 240 F Legal Environment of Business 3</p> <p>BUS 245 F Business Law I 3</p> <p>Three courses from the following for a total of 9-10 units:</p> <p style="text-align: center;">Units</p> <p>BUS 112 F Public Speaking for Business 4</p>		



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	<p>BUS 225 F International Management 3</p> <p>BUS 262 F Principles of Management 3</p> <p>BUS 266 F Human Relations in Organizations 3</p> <p>BUS 267 F Principles of Supervision 3</p> <p>BUS 268 F Human Resource Management 3</p> <p>BUS 271 F Leadership and Business Ethics 3</p> <p>One course from the following for a total of 3 units: Units</p> <p>MKT 100 F Introduction to Marketing 3</p> <p>MKT 151 F New Media Marketing 3</p> <p>BUS 224 F International Marketing 3</p> <p>Total Units 31 - 34</p>		
Business	<p>Business and Technology Skills Certificate</p> <p>The Business and Technology Skills Certificate takes a two tiered approach that will prepare a student with practical business and key technical skills in a field of their choice. This certificate positions a student to seek and obtain employment in the technical field suited to their unique skills set. A minimum grade of C is required in each course taken. This certificate requires 39-44 units of which 29-31 are in required courses. The remaining 10-13 units must be chosen from the restricted electives listed below.</p> <p>Required Courses (29-31 units) Units</p> <p>BUS 111 F Business Communications 3</p> <p>BUS 151 F Business Mathematics 3</p> <p>BUS 262 F Principles of Management 3</p> <p>BUS 266 F Human Relations in Organizations 3</p> <p>CIS 100 F Introduction to Personal Computers</p>	2017 Fall	Six-Year Review. Replaced BUS061 with BUS295. Two courses have title changes: BUS266, CIS123.



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	4		
	or		
	CIS 111 F Introduction to Information Systems		
	4		
	CIS 123 F Beginning Word Processing (MS Word)		
	3		
	COUN 141 F Career Exploration		
	1		
	LANG 101 F Elementary Foreign Language (3-5)* or		
	Course which meets Multicultural Course Requirement *		
	3 - 5		
	MKT 208 F Principles of Selling		
	3		
	READ 142 F College Reading: Logical Analysis and		
	Evaluation		
	3		
	Restricted Electives (10-13 units)		
	The student must complete four electives for a total of 10-		
	13 units. The electives must be pre-approved by the		
	counselor and program coordinator and determined to be		
	required for the student's career path. Electives may be		
	from any ONE of the following career areas:		
	Units		
	BUS 295 F Business Internship		
	1 - 4		
	Students must take career area courses equal to 9 units		
	from any of ONE of the topic areas below:		
	9		
	Auto Technology		
	Cinema-Radio-TV		
	Construction		
	Cosmetology		
	Engineering		
	Fashion		
	Interior Design		
	Machine Technology		
	Photography		



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	<p>Printing Technology</p> <p>Welding</p> <p>*The student is responsible for completing any necessary prerequisites.</p> <p>Total Units 39 - 44</p> <p>* Students completing one year of high school algebra with a grade of "C" or better meet the business mathematics (BUS 151 F) requirement; students completing a portfolio or MOUS tests (Word, Excel and Access) meet the requirement for personal computers (CIS 100 F); students who test out at 35 net WPM on a 5 minute timed test meet the keyboarding requirement (OT 080 F and OT 081 F); and students who complete one year of high school foreign language with a grade of "C" or better meet the foreign language/multicultural course requirement (LANG 101 F). Classes that satisfy the Multicultural Education Requirement are listed under Graduation Requirements in this catalog.</p>		
Business	<p>Entrepreneurship Associate in Science Degree</p> <p>The Entrepreneurship Associate in Science Degree is designed to prepare students with key considerations for starting and managing a business. We will guide you step-by-step through solid business planning. Upon program completion, students will have a business plan and the skills necessary to seek funding to start or expand a business. This degree requires 34-37 units.</p> <p>Required Courses (9 units)</p> <p style="text-align: center;">Units</p> <p>BUS 100 F Introduction to Business 3</p> <p>BUS 180 F Small Business Management 3</p> <p>MKT 100 F Introduction to Marketing 3</p> <p>Choose one course from the following for a total of 3-5 units:</p> <p style="text-align: center;">Units</p> <p>ACCT 001 F Accounting for Small Business 3</p> <p>ACCT 100BF Financial Accounting Principle</p>	2017 Fall	<p>Six-Year Review. -Updated new BUS211 Course Name</p> <p>-Replaced BUS241A with new BUS245 Law I</p> <p>-Added BUS268 (Human Resource Management)</p> <p>-Removed BUS269 (Managing Business Projects)</p> <p>-Moved MKT151 to the Marketing Section (MKT201, MKT151 or BUS224)</p> <p>-Updated revised course BUS181</p> <p>-Added BUS112</p> <p>Units changed from 33-36 to 34-37 due to new courses.</p>

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<p style="text-align: center;">3</p> <p>ACCT 101AF Financial Accounting</p> <p style="text-align: center;">5</p> <p>Choose one course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 111 F Business Communications</p> <p style="text-align: center;">3</p> <p>BUS 211 F Critical Reasoning and Writing for Business</p> <p style="text-align: center;">3</p> <p>Choose one course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 170 F Principles of E-Business</p> <p style="text-align: center;">3</p> <p>BUS 181 F The Entrepreneurial Mindset</p> <p style="text-align: center;">3</p> <p>BUS 182 F Mobile Applications (APPs) for Business</p> <p style="text-align: center;">3</p> <p>Choose one course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 162 F Business Economics</p> <p style="text-align: center;">3</p> <p>ECON 101 F Principles of Economics - Micro</p> <p style="text-align: center;">3</p> <p>BUS 251 F Business Finance</p> <p style="text-align: center;">3</p> <p>Choose one course from the following for a total of 3 units: (See counselor for determination of correct course)</p> <p style="text-align: center;">Units</p> <p>BUS 240 F Legal Environment of Business</p> <p style="text-align: center;">3</p> <p>BUS 245 F Business Law I</p> <p style="text-align: center;">3</p> <p>Choose one course from the following for a total of 3-4 units:</p> <p style="text-align: center;">Units</p> <p>BUS 112 F Public Speaking for Business</p> <p style="text-align: center;">4</p> <p>BUS 262 F Principles of Management</p> <p style="text-align: center;">3</p> <p>BUS 266 F Human Relations in Organizations</p>	
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	<p style="text-align: center;">3</p> <p>BUS 267 F Principles of Supervision</p> <p style="text-align: center;">3</p> <p>BUS 268 F Human Resource Management</p> <p style="text-align: center;">3</p> <p>BUS 271 F Leadership and Business Ethics</p> <p style="text-align: center;">3</p> <p>Choose one course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p> <p>MKT 201 F Small Business Promotions</p> <p style="text-align: center;">3</p> <p>MKT 151 F New Media Marketing</p> <p style="text-align: center;">3</p> <p>BUS 224 F International Marketing</p> <p style="text-align: center;">3</p> <p>Choose one course from the following for a total of 4 units:</p> <p style="text-align: center;">Units</p> <p>CIS 100 F Introduction to Personal Computers</p> <p style="text-align: center;">4</p> <p>CIS 111 F Introduction to Information Systems</p> <p style="text-align: center;">4</p> <p>Total Units</p> <p style="text-align: center;">34 - 37</p>		
Business	<p>Entrepreneurship Certificate</p> <p>The Entrepreneurship Certificate is designed to prepare students with key considerations for starting and managing a business. We will guide you step-by-step through solid business planning. Upon program completion, students will have a business plan and the skills necessary to seek funding to start or expand a business. A minimum grade of C is required in each course taken. This certificate requires 28-31 units.</p> <p>Required Course (3 units)</p> <p style="text-align: center;">Units</p> <p>BUS 180 F Small Business Management</p> <p style="text-align: center;">3</p> <p>One course from the following for a total of 3-5 units</p> <p style="text-align: center;">Units</p> <p>ACCT 001 F Accounting for Small Business</p> <p style="text-align: center;">3</p> <p>ACCT 100BF Financial Accounting Principle</p> <p style="text-align: center;">3</p>	2017 Fall	<p>Six-Year Review. -Updated new BUS211 Course Name</p> <p>-Replaced BUS241A with new BUS245 Law I</p> <p>-Added BUS268 (Human Resource Management)</p> <p>-Removed BUS269 (Managing Business Projects)</p> <p>-Moved MKT151 to the Marketing Section (MKT201, MKT151 or BUS224)</p> <p>-Added BUS112</p> <p>Units changed from 27-30 to 28-31 due to new courses.</p>



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<p>ACCT 101AF Financial Accounting 5</p> <p>One course from the following for a total of 3 units Units</p> <p>BUS 111 F Business Communications 3</p> <p>BUS 211 F Critical Reasoning and Writing for Business 3</p> <p>One course from the following for a total of 3 units Units</p> <p>BUS 100 F Introduction to Business 3</p> <p>BUS 170 F Principles of E-Business 3</p> <p>BUS 181 F The Entrepreneurial Mindset 3</p> <p>BUS 182 F Mobile Applications (APPs) for Business 3</p> <p>One course from the following for a total of 3 units Units</p> <p>BUS 162 F Business Economics 3</p> <p>ECON 101 F Principles of Economics - Micro 3</p> <p>BUS 251 F Business Finance 3</p> <p>One course from the following for a total of 3 units (See counselor for determination of correct course) Units</p> <p>BUS 240 F Legal Environment of Business 3</p> <p>BUS 245 F Business Law I 3</p> <p>One course from the following for a total of 3-4 units Units</p> <p>BUS 112 F Public Speaking for Business 4</p> <p>BUS 262 F Principles of Management 3</p> <p>BUS 266 F Human Relations in Organizations 3</p> <p>BUS 267 F Principles of Supervision 3</p>		
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	<p>BUS 268 F Human Resource Management 3</p> <p>BUS 271 F Leadership and Business Ethics 3</p> <p>One course from the following for a total of 3 units Units</p> <p>MKT 100 F Introduction to Marketing 3</p> <p>MKT 151 F New Media Marketing 3</p> <p>MKT 201 F Small Business Promotions 3</p> <p>BUS 224 F International Marketing 3</p> <p>Choose one course from the following for a total of 4 units: Units</p> <p>CIS 100 F Introduction to Personal Computers 4</p> <p>CIS 111 F Introduction to Information Systems 4</p> <p>Total Units 28 - 31</p>		
Business	<p>International Business Management Associate in Science Degree</p> <p>The International Business Management Associate in Science Degree is designed to prepare students for meaningful employment in organizations with an international footprint, to include skills and abilities in importing, exporting, and international marketing and management functions. Studies in international business focus on how different cultures affect the political, economic, and social aspects of doing business internationally. This degree requires 30-34 units. Five courses from the following for a total of 15-16 units: Units</p> <p>BUS 131 F Principles of International Business 3</p> <p>BUS 132 F Principles of Import/Export 3</p> <p>BUS 170 F Principles of E-Business 3</p> <p>BUS 224 F International Marketing 3</p> <p>BUS 225 F International Management</p>	2017 Fall	<p>Six-Year Review. -Added BUS268 (International Finance) -Updated new BUS211 Course Name -Replaced BUS241A with new BUS245 Law I -Replaced OT 070 with new BUS115 Professional Business Etiquette -Added BUS112 Public Speaking for Business Units changed from 29-33 to 30-34 due to new courses. Updated program description.</p>



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	3		
BUS 226 F International Finance			
	3		
BUS 242 F International Business Law			
	3		
BUS 267 F Principles of Supervision			
	3		
BUS 271 F Leadership and Business Ethics			
	3		
CIS 100 F Introduction to Personal Computers			
	4		
or			
CIS 111 F Introduction to Information Systems			
	4		
One course from the following for a total of 3-5 units:			
Units			
ACCT 001 F Accounting for Small Business			
	3		
ACCT 100BF Financial Accounting Principle			
	3		
ACCT 101AF Financial Accounting			
	5		
One course from the following for a total of 3 units:			
Units			
BUS 111 F Business Communications			
	3		
BUS 211 F Critical Reasoning and Writing for Business			
	3		
One course from the following for a total of 3 units:			
Units			
BUS 100 F Introduction to Business			
	3		
BUS 180 F Small Business Management			
	3		
One course from the following for a total of 3 units: (See counselor for determination of correct course)			
Units			
BUS 240 F Legal Environment of Business			
	3		
BUS 242 F International Business Law			
	3		
BUS 245 F Business Law I			
	3		



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	<p>One course from the following for a total of 3-4 units: Units</p> <p>BUS 112 F Public Speaking for Business 4</p> <p>BUS 115 F Professional Business Etiquette 3</p> <p>BUS 170 F Principles of E-Business 3</p> <p>Total Units 30 - 34</p>		
Business	<p>International Business Management Certificate</p> <p>The International Business Management Certificate is designed to prepare students for various aspects of international management. Topics include the challenges of managing international organizations, the impact of culture on organizations, and the management of cultural diversity at home and abroad. A minimum grade of C is required in each course taken. This certificate requires 30-34 units.</p> <p>Five courses from the following for a total of 15-16 units: Units</p> <p>BUS 131 F Principles of International Business 3</p> <p>BUS 132 F Principles of Import/Export 3</p> <p>BUS 224 F International Marketing 3</p> <p>BUS 225 F International Management 3</p> <p>BUS 226 F International Finance 3</p> <p>BUS 267 F Principles of Supervision 3</p> <p>BUS 271 F Leadership and Business Ethics 3</p> <p>CIS 100 F Introduction to Personal Computers 4</p> <p>or</p> <p>CIS 111 F Introduction to Information Systems 4</p> <p>One course from the following for a total of 3-5 units: Units</p> <p>ACCT 001 F Accounting for Small Business 3</p> <p>ACCT 100BF Financial Accounting Principle</p>	2017 Fall	<p>Six-Year Review. -Added BUS226 (International Finance)</p> <p>-Updated new BUS211 Course Name</p> <p>-Replaced BUS241A with new BUS245 Law I</p> <p>-Replaced OT 070 with new BUS115 Professional Business Etiquette</p> <p>-Added BUS112 Public Speaking for Business</p> <p>Units changed from 29-33 to 30-34 due to new courses. Updated program description.</p>



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	<p style="text-align: center;">3</p> <p>ACCT 101AF Financial Accounting</p> <p style="text-align: center;">5</p> <p>One course from the following for a total of 3 units: Units</p> <p>BUS 111 F Business Communications</p> <p style="text-align: center;">3</p> <p>BUS 211 F Critical Reasoning and Writing for Business</p> <p style="text-align: center;">3</p> <p>One course from the following for a total of 3 units: Units</p> <p>BUS 180 F Small Business Management</p> <p style="text-align: center;">3</p> <p>BUS 100 F Introduction to Business</p> <p style="text-align: center;">3</p> <p>One course from the following for a total of 3 units: (See counselor for determination of correct course) Units</p> <p>BUS 240 F Legal Environment of Business</p> <p style="text-align: center;">3</p> <p>BUS 245 F Business Law I</p> <p style="text-align: center;">3</p> <p>BUS 242 F International Business Law</p> <p style="text-align: center;">3</p> <p>One course from the following for a total of 3-4 units: Units</p> <p>BUS 112 F Public Speaking for Business</p> <p style="text-align: center;">4</p> <p>BUS 115 F Professional Business Etiquette</p> <p style="text-align: center;">3</p> <p>BUS 170 F Principles of E-Business</p> <p style="text-align: center;">3</p> <p>Total Units</p> <p style="text-align: center;">30 - 34</p>		
Business	<p>International Business Skills Certificate</p> <p>The International Business Skills Certificate is designed to develop students' skills in doing business internationally, and to develop an understanding of the nature of globalization and the differences in cultures and business practices. A minimum grade of C is required in each course taken. This certificate requires 9 units. Required Courses (6 units)</p>	2017 Fall	Six-Year Review. classes added:BUS226 (International Finance) Description Updated.



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	<p style="text-align: center;">Units</p> <p>BUS 131 F Principles of International Business 3</p> <p>BUS 132 F Principles of Import/Export 3</p> <p>One course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 224 F International Marketing 3</p> <p>BUS 225 F International Management 3</p> <p>BUS 226 F International Finance 3</p> <p>BUS 242 F International Business Law 3</p> <p>Total Units 9</p>		
Business	<p>Marketing Management Associate in Science Degree</p> <p>The Marketing Management Associate in Science Degree is designed for students who intend to seek immediate employment in the field of marketing and/or business, and those presently employed in marketing but seeking advancement. Graduates of this program may be employed in a number of jobs and career areas such as Advertising and Promotions Manager, Marketing Manager, Agent and Business Manager of Artists, Performers, and Athletes, Market Research Analyst and Marketing Specialist. This degree requires 31-34 units.</p> <p>Required Courses (7 units)</p> <p style="text-align: center;">Units</p> <p>MKT 100 F Introduction to Marketing 3</p> <p>and</p> <p>CIS 100 F Introduction to Personal Computers 4</p> <p>or</p> <p>CIS 111 F Introduction to Information Systems 4</p> <p>Choose one course from the following for a total of 3-5 units:</p> <p style="text-align: center;">Units</p> <p>ACCT 001 F Accounting for Small Business 3</p> <p>ACCT 100BF Financial Accounting Principle</p>	2017 Fall	<p>classes added: BUS203, BUS112</p> <p>-Updated new BUS211 Course Name</p> <p>-Replaced BUS241A with new BUS245 Law I</p> <p>Units changed from 31-33 to 31-34 due to existing course unit changes.</p> <p>Program Description has been updated.</p>

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<p style="text-align: center;">3</p> <p>ACCT 101AF Financial Accounting</p> <p style="text-align: center;">5</p> <p>Choose one course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 111 F Business Communications</p> <p style="text-align: center;">3</p> <p>BUS 211 F Critical Reasoning and Writing for Business</p> <p style="text-align: center;">3</p> <p>Choose one course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 100 F Introduction to Business</p> <p style="text-align: center;">3</p> <p>BUS 180 F Small Business Management</p> <p style="text-align: center;">3</p> <p>Choose one course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 162 F Business Economics</p> <p style="text-align: center;">3</p> <p>ECON 101 F Principles of Economics - Micro</p> <p style="text-align: center;">3</p> <p>BUS 170 F Principles of E-Business</p> <p style="text-align: center;">3</p> <p>Choose one course from the following for a total of 3 units: (See counselor for determination of correct course)</p> <p style="text-align: center;">Units</p> <p>BUS 240 F Legal Environment of Business</p> <p style="text-align: center;">3</p> <p>BUS 245 F Business Law I</p> <p style="text-align: center;">3</p> <p>Choose three courses from the following for a total of 9-10 units:</p> <p style="text-align: center;">Units</p> <p>MKT 103 F Principles of Advertising</p> <p style="text-align: center;">3</p> <p>MKT 151 F New Media Marketing</p> <p style="text-align: center;">3</p> <p>MKT 201 F Small Business Promotions</p> <p style="text-align: center;">3</p>	
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CURRICULUM PROPOSAL MINUTES

	<p>MKT 203 F Principles of Retail Management 3</p> <p>MKT 205 F Undrstdg Mulicult Mkts in U.S. 3</p> <p>MKT 208 F Principles of Selling 3</p> <p>BUS 112 F Public Speaking for Business 4</p> <p>BUS 224 F International Marketing 3</p> <p>Total Units 31 - 34</p>		
Business	<p>Marketing Management Certificate</p> <p>The Marketing Management Certificate is designed for students who intend to seek immediate employment in the field of marketing and/or business, and those presently employed in marketing but seeking advancement. Graduates of this program may be employed in a number of jobs and career areas such as Advertising and Promotions Manager, Marketing Manager, Agent and Business Manager of Artists, Performers, and Athletes, Market Research Analyst and Marketing Specialist. A minimum grade of C is required in each course taken. This certificate requires 31-34 units.</p> <p>Required Courses (7 units)</p> <p style="text-align: center;">Units</p> <p>MKT 100 F Introduction to Marketing 3</p> <p>and</p> <p>CIS 100 F Introduction to Personal Computers 4</p> <p>or</p> <p>CIS 111 F Introduction to Information Systems 4</p> <p>One course from the following for a total of 3-5 units:</p> <p style="text-align: center;">Units</p> <p>ACCT 001 F Accounting for Small Business 3</p> <p>ACCT 100BF Financial Accounting Principle 3</p> <p>ACCT 101AF Financial Accounting 5</p> <p>One course from the following for a total of 3 units:</p> <p style="text-align: center;">Units</p>	2017 Fall	Six-Year Review. classes added: MKT 203F, BUS112 F Updated new BUS211 Course Name Replaced BUS241A with new BUS245 Law I Units changed from 31-33 to 31-34 due to existing course unit changes. Program Description updated.



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<p>BUS 111 F Business Communications 3</p> <p>BUS 211 F Critical Reasoning and Writing for Business 3</p> <p>One course from the following for a total of 3 units: Units</p> <p>BUS 100 F Introduction to Business 3</p> <p>BUS 180 F Small Business Management 3</p> <p>One course from the following for a total of 3 units: Units</p> <p>BUS 162 F Business Economics 3</p> <p>ECON 101 F Principles of Economics - Micro 3</p> <p>BUS 170 F Principles of E-Business 3</p> <p>One course from the following for a total of 3 units: (See counselor for determination of correct course) Units</p> <p>BUS 240 F Legal Environment of Business 3</p> <p>BUS 245 F Business Law I 3</p> <p>Three courses from the following for a total of 9-10 units: Units</p> <p>MKT 103 F Principles of Advertising 3</p> <p>MKT 151 F New Media Marketing 3</p> <p>MKT 201 F Small Business Promotions 3</p> <p>MKT 205 F Undrstdg Mulicult Mkts in U.S. 3</p> <p>MKT 203 F Principles of Retail Management 3</p> <p>MKT 208 F Principles of Selling 3</p> <p>BUS 112 F Public Speaking for Business 4</p> <p>BUS 224 F International Marketing 3</p>		
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CURRICULUM PROPOSAL MINUTES

	Total Units 31 - 34		
Computer Information Systems	<p>Computer Information Systems Associate in Science Degree</p> <p>The Computer Information Systems Associate in Science Degree is designed to prepare students for employment in programming, networking, website design, database design and administration, cyber-security, business principles and more. Students learn in a well-equipped technical environment for instruction and lab. CIS courses are taught providing hands-on experience in the use of industry-standard hardware, application software, operating systems, networking, and programming tools. A minimum grade of C is required in each course taken. This degree requires 38-42 units.</p> <p>Required Courses (11 units)</p> <p style="text-align: center;">Units</p> <p>CIS 107 F Introduction to Operating Systems 3</p> <p>CIS 180 F Introduction to Networking Concepts 4</p> <p>CIS 217 F Visual Basic Programming I 4</p> <p>One course from the following for 3-5 units:</p> <p style="text-align: center;">Units</p> <p>ACCT 001 F Accounting for Small Business 3</p> <p>ACCT 100BF Financial Accounting Principle 3</p> <p>ACCT 101AF Financial Accounting 5</p> <p>BUS 151 F Business Mathematics 3</p> <p>One course from the following for 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 111 F Business Communications 3</p> <p>BUS 211 F Critical Reasoning and Writing for Business 3</p> <p>One course from the following for 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 182 F Mobile Applications (APPs) for Business 3</p> <p>CIS 104 F Presentation Graphics</p>	2017 Fall	Six-Year Review. classes added: None classes deleted: CIS 254, CIS 257 Units changed from 34-40.5 to 38-42 due to existing course unit changes.



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CURRICULUM PROPOSAL MINUTES

	3		
CIS 153 F Business Web Graphics			
	3		
CIS 298 F Advanced Computer Topics			
	3		
MKT 151 F New Media Marketing			
	3		
One course from the following for 4 units:			
Units			
CIS 100 F Introduction to Personal Computers			
	4		
CIS 111 F Introduction to Information Systems			
	4		
One course from the following for 2-3 units:			
Units			
CIS 106 F Beginning Spreadsheet (MS Excel)			
	3		
CIS 123 F Beginning Word Processing (MS Word)			
	3		
CIS 124 F Advanced Word Processing (MS Word)			
	3		
CIS 148 F Introduction to Personal Computer Communications			
	2		
CIS 150 F Introduction to the Internet			
	3		
CIS 205 F Advanced Spreadsheet (MS Excel)			
	3		
One course from the following for 3 units:			
Units			
CIS 142 F Database I			
	3		
CIS 242 F Database II			
	3		
CIS 270 F SQL Server Administration			
	3		
CIS 280 F Introduction to Oracle:SQL and PL/SQL			
	3		
One course from the following for 3 units:			
Units			
CIS 152 F Web Design I			
	3		
CIS 154 F JavaScript Programming I			
	3		

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<p>CIS 155 F Web Page Multimedia Design I 3</p> <p>CIS 157 F Web Design II 3</p> <p>CIS 159 F Introduction to XML 3</p> <p>CIS 177 F Web Design III 3</p> <p>CIS 255 F Web Page Multimedia Design II 3</p> <p>CISG 100 F Introduction to Computer Game Design 3</p> <p>One or two courses from the following for 3-4 units: Units</p> <p>CIS 200 F Fundamentals of Computer Programming 1</p> <p>CIS 212 F Robotic Programming 3</p> <p>CIS 219 F Visual Basic Programming II 3</p> <p>CIS 220 F Web Server Programming 3</p> <p>CIS 221 F Introduction to C# Programming 3</p> <p>CIS 222 F Computer Scripting 3</p> <p>CIS 223 F Programming in C++ 3</p> <p>CIS 226 F Java Programming I 3</p> <p>CIS 227 F Advanced C# Programming 3</p> <p>CIS 228 F Java Programming II 3</p> <p>CIS 229 F XML Programming 3</p> <p>CIS 230 F PHP and MySQL Programming 3</p> <p>CISG 110 F Introduction to Programming for Computer Games 3</p> <p>CISG 160 F C# for Game Programming 3</p> <p>CISG 165 F C++ For Game Programming 3</p> <p>CISG 170 F Java for Game Programming 3</p>		
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CURRICULUM PROPOSAL MINUTES

	<p>CISG 175 F Game Programming in Flash 3</p> <p>CISG 182 F Game Graphics Programming 3</p> <p>CISG 185 F Artificial Intelligence in Game Programming 3</p> <p>CISG 190 F Programming Multiuser Online Games 3</p> <p>One course from the following for 3 units: Units</p> <p>CIS 160 F Introduction to Cyber Security 3</p> <p>CIS 165 F Cyber Security and Networking/Web 3</p> <p>CIS 166 F Cyber Security and Operating Systems 3</p> <p>CIS 168 F Cyber Security Software Tools 3</p> <p>CIS 171 F Ethical Hacking 3</p> <p>CIS 170 F Cisco Networking 1 3</p> <p>CIS 172 F Cisco Networking 2 3</p> <p>CIS 173 F Cisco Networking 3 3</p> <p>CIS 174 F Cisco Networking 4 3</p> <p>CIS 183 F Network Security Fundamentals 3</p> <p>CIS 285 F Windows Server 3</p> <p>CIS 286 F Web Server Management 3</p> <p>CIS 287 F Exchange Server 3</p> <p>CIS 289 F Windows Active Directory 3</p> <p>CIS 290 F Linux / UNIX Operating System 3</p> <p>Total Units 38 - 42</p>		
Computer Information Systems	<p>Computer Information Systems Certificate</p> <p>The Computer Information Systems Certificate is designed to prepare students for employment in programming,</p>	2017 Fall	Six-Year Review. classes added: CIS157 classes deleted: CIS107, CIS111HF, CIS257. Units changed

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<p>networking, website design, database design and administration, cyber-security, business principles and more. Students learn in a well-equipped technical environment for instruction and lab. CIS courses are taught providing hands-on experience in the use of industry-standard hardware, application software, operating systems, networking, and programming tools. A minimum grade of C is required in each course taken. This certificate requires 38-42 units.</p> <p>Required Courses (11 units)</p> <p style="text-align: center;">Units</p> <p>CIS 107 F Introduction to Operating Systems 3</p> <p>CIS 180 F Introduction to Networking Concepts 4</p> <p>CIS 217 F Visual Basic Programming I 4</p> <p>One course from the following for 3-5 units:</p> <p style="text-align: center;">Units</p> <p>ACCT 001 F Accounting for Small Business 3</p> <p>ACCT 100BF Financial Accounting Principle 3</p> <p>ACCT 101AF Financial Accounting 5</p> <p>BUS 151 F Business Mathematics 3</p> <p>One course from the following courses for 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 111 F Business Communications 3</p> <p>BUS 211 F Critical Reasoning and Writing for Business 3</p> <p>One course from the following courses for 3 units:</p> <p style="text-align: center;">Units</p> <p>BUS 182 F Mobile Applications (APPs) for Business 3</p> <p>CIS 104 F Presentation Graphics 3</p> <p>CIS 153 F Business Web Graphics 3</p> <p>CIS 298 F Advanced Computer Topics 3</p> <p>MKT 151 F New Media Marketing 3</p>	<p>from 34-40.5 to 38-42 due to existing course unit changes. Program description updated to match BUS-CIS programs.</p>
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<p>One course from the following for 4 units: Units</p> <p>CIS 100 F Introduction to Personal Computers 4</p> <p>CIS 111 F Introduction to Information Systems 4</p> <p>One course from the following for 2-3 units: Units</p> <p>CIS 106 F Beginning Spreadsheet (MS Excel) 3</p> <p>CIS 123 F Beginning Word Processing (MS Word) 3</p> <p>CIS 124 F Advanced Word Processing (MS Word) 3</p> <p>CIS 148 F Introduction to Personal Computer Communications 2</p> <p>CIS 150 F Introduction to the Internet 3</p> <p>CIS 205 F Advanced Spreadsheet (MS Excel) 3</p> <p>One course from the following for 3 units: Units</p> <p>CIS 142 F Database I 3</p> <p>CIS 242 F Database II 3</p> <p>CIS 270 F SQL Server Administration 3</p> <p>CIS 280 F Introduction to Oracle:SQL and PL/SQL 3</p> <p>One course from the following for 3 units: Units</p> <p>CIS 152 F Web Design I 3</p> <p>CIS 154 F JavaScript Programming I 3</p> <p>CIS 155 F Web Page Multimedia Design I 3</p> <p>CIS 157 F Web Design II 3</p> <p>CIS 159 F Introduction to XML 3</p> <p>CIS 177 F Web Design III</p>		
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CURRICULUM PROPOSAL MINUTES

	3	
CIS 255 F Web Page Multimedia Design II		
	3	
CISG 100 F Introduction to Computer Game Design		
	3	
One or two courses from the following for 3-4 units:		
Units		
CIS 200 F Fundamentals of Computer Programming		
	1	
CIS 212 F Robotic Programming		
	3	
CIS 219 F Visual Basic Programming II		
	3	
CIS 220 F Web Server Programming		
	3	
CIS 221 F Introduction to C# Programming		
	3	
CIS 223 F Programming in C++		
	3	
CIS 226 F Java Programming I		
	4	
CIS 227 F Advanced C# Programming		
	3	
CIS 228 F Java Programming II		
	4	
CIS 229 F XML Programming		
	3	
CIS 222 F Computer Scripting		
	3	
CIS 230 F PHP and MySQL Programming		
	3	
CISG 110 F Introduction to Programming for Computer Games		
	3	
CISG 160 F C# for Game Programming		
	3	
CISG 165 F C++ For Game Programming		
	3	
CISG 170 F Java for Game Programming		
	3	
CISG 175 F Game Programming in Flash		
	3	
CISG 182 F DirectX Graphics Programming		
	3	
CISG 185 F Artificial Intelligence in Game Programming		
	3	
CISG 190 F Programming Multiuser Online Games		

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	<p style="text-align: center;">3</p> <p>One course from the following for 3 units:</p> <p style="text-align: center;">Units</p> <p>CIS 160 F Introduction to Cyber Security 3</p> <p>CIS 165 F Cyber Security and Networking/Web 3</p> <p>CIS 166 F Cyber Security and Operating Systems 3</p> <p>CIS 168 F Cyber Security Software Tools 3</p> <p>CIS 171 F Ethical Hacking 3</p> <p>CIS 170 F Cisco Networking 1 3</p> <p>CIS 172 F Cisco Networking 2 3</p> <p>CIS 173 F Cisco Networking 3 3</p> <p>CIS 174 F Cisco Networking 4 3</p> <p>CIS 183 F Network Security Fundamentals 3</p> <p>CIS 281 F Introduction to Networking Hardware 3</p> <p>CIS 285 F Windows Server 3</p> <p>CIS 286 F Web Server Management 3</p> <p>CIS 287 F Exchange Server 3</p> <p>CIS 289 F Windows Active Directory 3</p> <p>CIS 290 F Linux / UNIX Operating System 3</p> <p>Total Units 38 - 42</p>		
Computer Information Systems	<p>Networking Certificate</p> <p>The Networking Certificate is designed to prepare students for a career using computer networks in business. Students receive hands-on instruction on how to operate, install, configure, troubleshoot, upgrade, and maintain computer networks as well as basic network security. A minimum grade of C is required in each course taken. This certificate requires 31 units.</p>	2017 Fall	Six-Year Review. This certificate has been completely re-worked to meet student and workplace needs. Units changed from 15 units to 31 due to new courses and existing course unit changes. Description has been re-written to match BUS-CIS program descriptions. Course deleted: CIS291,CIS281,CIS289.

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	<p>Required Courses - 22 units</p> <p style="text-align: center;">Units</p> <p>CIS 180 F Introduction to Networking Concepts 4</p> <p>CIS 183 F Network Security Fundamentals 3</p> <p>CIS 285 F Windows Server 3</p> <p>CIS 107 F Introduction to Operating Systems 3</p> <p>CIS 281 F Introduction to Networking Hardware 3</p> <p>CIS 170 F Cisco Networking 1 3</p> <p>CIS 290 F Linux / UNIX Operating System 3</p> <p>Choose 9 units from the following:</p> <p style="text-align: center;">Units</p> <p>CIS 172 F Cisco Networking 2 3</p> <p>CIS 173 F Cisco Networking 3 3</p> <p>CIS 174 F Cisco Networking 4 3</p> <p>CIS 270 F SQL Server Administration 3</p> <p>CIS 280 F Introduction to Oracle:SQL and PL/SQL 3</p> <p>CIS 286 F Web Server Management 3</p> <p>CIS 287 F Exchange Server 3</p> <p>Total Units 31</p>		<p>Courses Added: CIS107,CIS170,CIS172,CIS173,CIS174,CIS270,CIS280. Reviewers Note: The changes not onthe PC report are not from the current active, catalog version, but changes from a previous approved version that was pulled.</p>
<p>Computer Information Systems</p>	<p>Office Applications Apprentice Certificate</p> <p>The Office Applications Apprentice Certificate is designed to prepare students for a career using computers and computer software in a business environment including modern business software applications such as word processing, spreadsheets, presentations, and databases. A minimum grade of C is required in each course taken. This certificate requires 20-21 units.</p> <p>Required courses (11 units)</p> <p style="text-align: center;">Units</p> <p>CIS 104 F Presentation Graphics</p>	<p>2017 Fall</p>	<p>Re-designed certificate to be an entry level office worker certificate and meet the demands to todays office worker.</p> <p>classes added: CIS 153 F, CIS 205 F</p> <p>classes deleted: CIS148 F, CIS103 F, CIS142, CIS157, CIS155, BUS151, BUS111, MKT151, ACCT107</p> <p>Units changed from 30-31 to 20-21 due to existing course unit change,</p>

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	<p style="text-align: center;">3</p> <p>CIS 106 F Beginning Spreadsheet (MS Excel)</p> <p style="text-align: center;">3</p> <p>CIS 123 F Beginning Word Processing (MS Word)</p> <p style="text-align: center;">3</p> <p>CIS 148 F Introduction to Personal Computer Communications</p> <p style="text-align: center;">2</p> <p>Choose 6 units from the following list of courses.</p> <p style="text-align: center;">Units</p> <p>CIS 124 F Advanced Word Processing (MS Word)</p> <p style="text-align: center;">3</p> <p>CIS 152 F Web Design I</p> <p style="text-align: center;">3</p> <p>CIS 153 F Business Web Graphics</p> <p style="text-align: center;">3</p> <p>CIS 205 F Advanced Spreadsheet (MS Excel)</p> <p style="text-align: center;">3</p> <p>Choose 3-4 units from the following list of courses.</p> <p style="text-align: center;">Units</p> <p>CIS 107 F Introduction to Operating Systems</p> <p style="text-align: center;">3</p> <p>CIS 180 F Introduction to Networking Concepts</p> <p style="text-align: center;">4</p> <p>CIS 281 F Introduction to Networking Hardware</p> <p style="text-align: center;">3</p> <p>CIS 285 F Windows Server</p> <p style="text-align: center;">3</p> <p>Total Units</p> <p style="text-align: center;">20 - 21</p>		<p>additions and deletions. There is an Office Applications Technician Certificate to complement this certificate. The name of this certificate has been changed from Office Applications to Office Applications Apprentice to make program more marketable. Program description has been updated. TOP code changed.</p>
<p>Computer Information Systems</p>	<p>Programming Certificate</p> <p>The Programming Certificate is designed to prepare students for an entry-level job in the programming field. Students receive a grounding in a breadth of current programming languages and may select electives focusing on web programming, Java and mobile applications programming, database management or game programming. A minimum grade of C is required in each course taken. This certificate requires 34-35 units.</p> <p>Required Courses (25 units)</p> <p style="text-align: center;">Units</p> <p>CIS 130 F Systems Analysis and Design</p> <p style="text-align: center;">3</p> <p>CIS 180 F Introduction to Networking Concepts</p>	<p>2017 Fall</p>	<p>Six-Year Review. Certificate has been completely re-written to better meet needs of students and the workplace. New certificate provide pathways in different topics such as Java/Mobile, database and gaming. Units changed from 15-15.5 to 36 due to new structure of existing course unit changes. Description re-written to be consistent with other BUS-CIS programs.</p> <p>Courses Removed: CIS211, CIS218, CIS212, CIS219, CIS230.</p> <p>Courses Added: CIS130, CIS180, CIS200, CIS221, CIS</p>

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<p style="text-align: center;">4</p> <p>CIS 200 F Fundamentals of Computer Programming</p> <p style="text-align: center;">1</p> <p>CIS 217 F Visual Basic Programming I</p> <p style="text-align: center;">4</p> <p>CIS 221 F Introduction to C# Programming</p> <p style="text-align: center;">3</p> <p>CIS 223 F Programming in C++</p> <p style="text-align: center;">3</p> <p>CIS 226 F Java Programming I</p> <p style="text-align: center;">4</p> <p>CIS 230 F PHP and MySQL Programming</p> <p style="text-align: center;">3</p> <p>For a focus on Java and mobile applications, select three courses for 9-10 units.</p> <p style="text-align: center;">Units</p> <p>CIS 222 F Computer Scripting</p> <p style="text-align: center;">3</p> <p>CIS 227 F Advanced C# Programming</p> <p style="text-align: center;">3</p> <p>CIS 228 F Java Programming II</p> <p style="text-align: center;">4</p> <p>CIS 229 F XML Programming</p> <p style="text-align: center;">3</p> <p>CIS 240 F Introduction to Mobile Apps</p> <p style="text-align: center;">4</p> <p>or</p> <p style="text-align: center;">Units</p> <p>For a focus on web programming, select three courses for 9 units.</p> <p style="text-align: center;">Units</p> <p>CIS 152 F Web Design I</p> <p style="text-align: center;">3</p> <p>CIS 157 F Web Design II</p> <p style="text-align: center;">3</p> <p>CIS 155 F Web Page Multimedia Design I</p> <p style="text-align: center;">3</p> <p>CIS 255 F Web Page Multimedia Design II</p> <p style="text-align: center;">3</p> <p>or</p> <p style="text-align: center;">Units</p> <p>For a focus on database management, select three courses for 9 units.</p>	<p>227,CIS240,CIS152,CIS157,CIS155 ,CIS255,CIS142,CIS242,CIS270,CI S280,CIS285,CIS286,CISG110,CIS G160,CISG165,CISG170,CISG175, CISG182,CISG185,CISG190. Reviewers please note - the justification shows a unit change from 15-15.5 to 34-35, there was a previous revision at 34 units that was pulled before approval. The active version in the catalog is 15- 15.5 units.</p>
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	<p style="text-align: center;">Units</p> <p>CIS 142 F Database I 3</p> <p>CIS 242 F Database II 3</p> <p>CIS 270 F SQL Server Administration 3</p> <p>CIS 280 F Introduction to Oracle:SQL and PL/SQL 3</p> <p>CIS 285 F Windows Server 3</p> <p>CIS 286 F Web Server Management 3</p> <p>or</p> <p style="text-align: center;">Units</p> <p>For a focus on game programming, select three courses for 9 units.</p> <p style="text-align: center;">Units</p> <p>CISG 110 F Introduction to Programming for Computer Games 3</p> <p>CISG 160 F C# for Game Programming 3</p> <p>CISG 165 F C++ For Game Programming 3</p> <p>CISG 170 F Java for Game Programming 3</p> <p>CISG 175 F Game Programming in Flash 3</p> <p>CISG 182 F DirectX Graphics Programming 3</p> <p>CISG 185 F Artificial Intelligence in Game Programming 3</p> <p>CISG 190 F Programming Multiuser Online Games 3</p> <p>Total Units 34 - 35</p>		
Computer Information Systems	<p>Web Design Certificate</p> <p>The Web Design Certificate is designed to increase students' competence in the basic applications used in industry for web design and web programming in addition to preparing students for jobs in the field of web design and web programming. A minimum grade of C is required in each course taken. This certificate requires 28 units.</p>	2017 Fall	Technically, this is a NEW PROGRAM as it does not exist in the catalog. The committee previous approved the certificate but it was pulled due to the number of revisions found during a six-year review. This newly re-designed program was created to be a mid-

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	<p>Required Courses from the Web Design Skills Certificate - 15 units</p> <table style="margin-left: 40px;"> <tr><td></td><td style="text-align: center;">Units</td></tr> <tr><td>CIS 150 F Introduction to the Internet</td><td style="text-align: center;">3</td></tr> <tr><td>CIS 152 F Web Design I</td><td style="text-align: center;">3</td></tr> <tr><td>CIS 153 F Business Web Graphics</td><td style="text-align: center;">3</td></tr> <tr><td>CIS 154 F JavaScript Programming I</td><td style="text-align: center;">3</td></tr> <tr><td>CIS 157 F Web Design II</td><td style="text-align: center;">3</td></tr> </table> <p>Required Courses - 13 units</p> <table style="margin-left: 40px;"> <tr><td></td><td style="text-align: center;">Units</td></tr> <tr><td>BUS 170 F Principles of E-Business</td><td style="text-align: center;">3</td></tr> <tr><td>CIS 176 F Web Page Layout with CMS</td><td style="text-align: center;">3</td></tr> </table> <p>or</p> <table style="margin-left: 40px;"> <tr><td>CIS 177 F Web Design III</td><td style="text-align: center;">3</td></tr> <tr><td>CIS 200 F Fundamentals of Computer Programming</td><td style="text-align: center;">1</td></tr> <tr><td>CIS 220 F Web Server Programming</td><td style="text-align: center;">3</td></tr> <tr><td>CIS 230 F PHP and MySQL Programming</td><td style="text-align: center;">3</td></tr> </table> <p>Total Units 28</p>		Units	CIS 150 F Introduction to the Internet	3	CIS 152 F Web Design I	3	CIS 153 F Business Web Graphics	3	CIS 154 F JavaScript Programming I	3	CIS 157 F Web Design II	3		Units	BUS 170 F Principles of E-Business	3	CIS 176 F Web Page Layout with CMS	3	CIS 177 F Web Design III	3	CIS 200 F Fundamentals of Computer Programming	1	CIS 220 F Web Server Programming	3	CIS 230 F PHP and MySQL Programming	3		<p>level certificate. Updated Program Description. Courses removed: CIS 155, CIS 211. Courses added: CIS 150, CIS 176, CIS 200, CIS 230, BUS 170. Reflected new title in these courses: CIS 152, CIS 157, CIS 177.</p>
	Units																												
CIS 150 F Introduction to the Internet	3																												
CIS 152 F Web Design I	3																												
CIS 153 F Business Web Graphics	3																												
CIS 154 F JavaScript Programming I	3																												
CIS 157 F Web Design II	3																												
	Units																												
BUS 170 F Principles of E-Business	3																												
CIS 176 F Web Page Layout with CMS	3																												
CIS 177 F Web Design III	3																												
CIS 200 F Fundamentals of Computer Programming	1																												
CIS 220 F Web Server Programming	3																												
CIS 230 F PHP and MySQL Programming	3																												
<p>Computer Information Systems</p>	<p>Web Design Skills Certificate</p> <p>The Web Design Skills Certificate was created to teach core skills that are directly transferable to the workplace. Designed for students, working adults, artists, and designers interested in exploring the expanding field of web design. The course sequence provides the foundational skills required for those wishing to build websites for personal and professional applications. A minimum grade of C is required in each course. This certificate requires 16 units.</p> <p>Required Courses (16 units)</p> <table style="margin-left: 40px;"> <tr><td></td><td style="text-align: center;">Units</td></tr> <tr><td>CIS 150 F Introduction to the Internet</td><td style="text-align: center;">3</td></tr> <tr><td>CIS 153 F Business Web Graphics</td><td style="text-align: center;">3</td></tr> </table>		Units	CIS 150 F Introduction to the Internet	3	CIS 153 F Business Web Graphics	3	<p>2017 Fall</p>	<p>Six-Year Review. Re-designed certificate to be an entry level certificate.</p> <p>classes added:CSI 153F</p> <p>classes deleted: CIS 254 F, CIS 230 F</p> <p>Units changed from 13 to 15 due to existing course unit changes.</p> <p>Missing TOP code 0614.30 was added.</p> <p>Updated CIP coder to 110801.00.</p> <p>Name change fro Web Scripting Skills Certificate to Web Design Skills Certificate</p>																				
	Units																												
CIS 150 F Introduction to the Internet	3																												
CIS 153 F Business Web Graphics	3																												

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	3 CIS 152 F Web Design I 3 CIS 157 F Web Design II 3 CIS 154 F JavaScript Programming I 3 CIS 200 F Fundamentals of Computer Programming 1 Total Units 16		
Fashion	<p>Dressmaking-Alterations Certificate</p> <p>The Dressmaking-Alterations Certificate Program prepares students for entry-level employment as a professional in the fields of dressmaker, garment construction, fit and alterations specialist. The program requires the student to complete 36 units of which 28 are in required courses. An additional 8 units must be chosen from the restricted electives below.</p> <p>Required Courses (28 units)</p> <p style="text-align: center;">Units</p> <p>FASH 085 F Bridal and Special Occasion Wear 2</p> <p>FASH 093 F Pattern Alteration & Fitting 2</p> <p>FASH 101 F Basic Sewing Techniques 2</p> <p>FASH 108 F Flat Pattern Methods and Design I 2</p> <p>FASH 109 F Flat Pattern Methods and Design II 2</p> <p>FASH 150 F Introduction to the Fashion Industry 3</p> <p>FASH 152 F Ready-To-Wear Evaluation 3</p> <p>FASH 188 F Apparel Production 2</p> <p>FASH 201 F Fashion Sewing 2</p> <p>FASH 206 F Textiles 4</p> <p>FASH 209 F Draping 2</p> <p>FASH 255 F Advanced Clothing Construction: Industrial 2</p>	2017 Fall	Unit revision from 35-37 to 36 total units. Removed FASH 050 F, FASH 107 F and added FASH 201 F and FASH 255 F to Required Courses. Changed units for Required Courses section from 27 to 28 units. Removed FASH 201 F from Restricted Electives. Units section revised from 8-10 to 8 units only.

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	<p>Restricted Electives (8 units)</p> <p style="text-align: center;">Units</p> <p>FASH 060 F Professional Image 2</p> <p>FASH 145 F Field Studies in Fashion 1</p> <p>FASH 186 F Workroom Sketching 2</p> <p>PSY 110 F Introduction to Applied Psychology 3</p> <p>Total Units 36</p>		
Fashion	<p>Fashion Illustration Certificate</p> <p>The Fashion Illustration Certificate is designed to prepare students for employment in fashion illustration fields such as technical designer, textiles, model/croquis drawing, direct-mail catalog and advertising. This certificate requires the completion of 35-37 units of which 28 are in required courses. An additional 7-9 units must be chosen from the restricted electives listed below. A minimum grade of C is required for all courses.</p> <p>Required Courses (28 units)</p> <p style="text-align: center;">Units</p> <p>ART 118 F Color Theory 3</p> <p>ART 139 F Fashion Sketching 2</p> <p>ART 182 F Basic Drawing 3</p> <p>ART 186 F Beginning Life Drawing 3</p> <p>ART 244 F Illustration 3</p> <p>FASH 088 F CAD for Apparel 2</p> <p>FASH 150 F Introduction to the Fashion Industry 3</p> <p>FASH 186 F Workroom Sketching 2</p> <p>FASH 242 F Fashion History: The Evolution of Dress, Culture and Style 3</p> <p>FASH 297 F Fashion Design Portfolio 2</p> <p>FASH 288 F Advanced CAD for Apparel-Fashion Illustration and Digital Flats</p>	2017 Fall	Took out ART 183 F and FASH 107 F. Replaced with ART 118 F, FASH 088 F and FASH 288 F. The title revision for FASH 242 F is to better align with CSU programs. Replaced FASH 297 F 1 unit with the 2 unit. Changed the required units to 28 from 26 and the total units from 35 to 37.



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	<p style="text-align: center;">2</p> <p>Restricted Electives (7-9 units) Units</p> <p>FASH 050 F Careers in Fashion 1</p> <p>FASH 101 F Basic Sewing Techniques 2</p> <p>ART 188 F Watercolor Painting 3</p> <p>FASH 201 F Fashion Sewing 2</p> <p>ART 236 F Intermediate Life Drawing 3</p> <p>Total Units 35 - 37</p>		
Fashion	<p>Fashion Merchandising Associate in Arts Degree</p> <p>The Fashion Merchandising Associate in Arts Degree is designed to prepare students for employment in the ready-to-wear industry, department stores, specialty shops, and wholesale fashion showrooms. This degree requires a total of 22-23 units, of which 19 units are in required courses. An additional 3-4 units must be chosen from the restricted electives listed below</p> <p>Required Courses (19 units) Units</p> <p>FASH 107 F Apparel Analysis 3</p> <p>FASH 150 F Introduction to the Fashion Industry 3</p> <p>FASH 152 F Ready-To-Wear Evaluation 3</p> <p>FASH 206 F Textiles 4</p> <p>FASH 220 F Retail and Fashion Buying 3</p> <p>FASH 221 F Advanced Retail and Fashion Buying 3</p> <p>Restricted Electives (3-4 units) Units</p> <p>BUS 151 F Business Mathematics 3</p> <p>BUS 267 F Principles of Supervision 3</p> <p>CIS 106 F Beginning Spreadsheet (MS Excel)</p>	2017 Fall	Reflected FASH 206 units change from 3 to 4. Reflected FASH 242 new title to better align with CSU programs. Total units in program revised from 21-22 to 22-23. Updated program description and TOP code.



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	<p style="text-align: center;">3</p> <p>FASH 145 F Field Studies in Fashion</p> <p style="text-align: center;">1</p> <p>FASH 183 F Fashion Marketing</p> <p style="text-align: center;">3</p> <p>FASH 250 F Fashion Promotion</p> <p style="text-align: center;">3</p> <p>FASH 242 F Fashion History: The Evolution of Dress, Culture and Style</p> <p style="text-align: center;">3</p> <p>Total Units</p> <p style="text-align: center;">22 - 23</p>		
<p>Physics</p>	<p>Physics Associate in Science Degree for Transfer</p> <p>The Physics Associate in Science Degree for Transfer, also called the Physics AS-T Degree, prepares students to transfer to CSU campuses that offer bachelor's degrees in physics. Ed Code Section 66746-66749 states students earning the Physics AS-T degree will be granted priority for admission as a Physics major to a local CSU, as determined by the CSU campus to which the student applies. This degree requires students complete 60 CSU transferable units, including completion of CSU GE or IGETC, 12 units in physics, and 12 units in mathematics with a cumulative GPA of 2.0 or better. Title 5 requires that students earn a grade of C or better in all major coursework. There are no additional graduation requirements. The main purpose of a Physics AS-T is to provide the lower-division coursework needed in order to continue in a bachelor's-degree program; however, the Physics AS-T also provides valuable quantitative and problem-solving skills that are in demand by employers hiring, e.g., lab technicians, or in a variety of fields such as manufacturing and education. Of people who obtain a terminal bachelor's degree in physics, about half work in industry, in fields such as aerospace, military, software, and electronics. Most of the other half work either as high school teachers or as lab technicians at universities or government-funded laboratories. PhD's in physics are qualified for teaching at the university level and for scientific research, as well as for higher-level jobs in the same areas as those with bachelor's degrees. The Physics AS-T Degree requires a total of 24 units of required courses as indicated below.</p> <p>Required Courses</p> <p>Required Courses (24 units)</p>	<p>2017 Fall</p>	<p>Six-year review. Replaced MATH 150AF with 151 F, 150HF with 151HF, 150BF with 152 F, 250AF with 251 F. Added MATH 152HF. Removed MATH 250BF and PHYS 221HF. Total unit revision from 28 to 24.</p>



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	Units		
PHYS 221 F General Physics I	4		
PHYS 222 F General Physics II	4		
PHYS 223 F General Physics III	4		
MATH 151 F Calculus I	4		
or			
MATH 151HF Honors Calculus I	4		
MATH 152 F Calculus II	4		
or			
MATH 152HF Honors Calculus II	4		
MATH 251 F Multivariable Calculus	4		
Total Units	24		

DELETE DEGREES/CERTIFICATES

DEGREE	EFF DATE	JUSTIFICATION
Legal Office Administration Associate in Science Degree	2017 Fall	The OT program is being eliminated. All courses and programs are being deleted.