



CYPRESS COLLEGE CURRICULUM COMMITTEE

Tuesday, November 7, 2023

Cypress College Complex (CCCPLX) 406

AGENDA

Your attendance is critical in helping to meet the curriculum needs of Cypress College. Remember, if you are unable to attend please find an alternate representative.

Call to Order:

Joyce Peacock, Chair

1. Establish Quorum and Acknowledge Alternates
2. Adoption of the Agenda
3. Approval of October 31, 2023 *minutes*: (attached)
4. Public Commentary (3 minutes per speaker)
5. Curriculum Specialist Report: Marbelly Jairam
6. Articulation Officer Report: Jacky Rangel
7. Division Reports: All division reps
8. CPL Coordinator Report: Jolena Grande
9. Administration Report
10. Chair Report
11. Compressed Schedule discussion
12. Spring 2024 Meetings
2/6/24,2/20/24,3/5/24,3/19/24,4/2/24,4/16/24,4/30/24,5/14/24
13. Approval of curriculum
14. Other-any additional concerns committee members might want to bring up for items that do not require vote

DEACTIVATE COURSES		
COURSE ID	EFF DATE	JUSTIFICATION
ACCT 011 C Payroll Accounting	2024 Fall	This course has been already been replaced with more relevant courses in our program: ACCT 107C Computerized Accounting with QuickBooks and ACCT 205C Ethics in Accounting. Currently, we have not offered this course in over five years and have no plans to offer it in the future.

NEW COURSES					
COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
CTRP N059C Machine Shorthand Challenge-Advanced-200 wpm (Non-Credit) Units: 0 Lecture: 0 Laboratory: 5-90	*New Non-Credit Course *Distance Education: Partially *Repeatability: Unlimited *Open Entry/Open Exit *Grading Option: Pass/No Pass	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	2024 Fall	This course will give the students additional practice on advanced speed dictation in preparation for the RPR national examination.

	*Prerequisite: None		understanding, structure, style and mechanics.		
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REVISED COURSES					
COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
CIS 111 C Computer Information Systems Units: 3 Lecture: 3 Laboratory: 1	*Outline Update *Advisory removed *Textbook Update	35	Lecture/Discussion/Group learning/Student Presentations While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations	2024 Fall	Outline, advisory removed and textbook updated to better reflect course content.
CIS 211 C Introduction to Programming Units: 3 Lecture: 3 Laboratory: 1	*Outline Update *Catalog/Schedule Description Update *Student Learning Outcomes Update *Textbook Update	35	Lecture/Discussion/Group Learning/Student Presentations While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations	2024 Fall	Outline, catalog/schedule description, SLOs, and textbook updated to better reflect course content.
CIS 226 C Java Programming Units: 3 Lecture: 3 Laboratory: 1	*Outline Update *Advisory revalidated *Catalog/Schedule Description Update *Student Learning Outcomes Update *Textbook Update	35	Lecture/Discussion/Group learning/Student Presentations While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations.	2024 Fall	Outline, advisory revalidated, catalog/schedule description, SLOs, and textbook updated to better reflect course content.
CIS 234 C Data Structures in Java Units: 3 Lecture: 3 Laboratory: 1	*Outline Update *Title update from Advanced Java Programming *Prerequisite revalidated *Catalog/Schedule Description Update *Student Learning Outcomes Update	35	Lecture/Discussion/Group learning/Student Presentations While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations	2024 Fall	Outline, title, prerequisite revalidated, catalog/schedule description, and SLOs updated to better reflect course content.
CIS 275 C Data Structures in Python Units: 3 Lecture: 3 Laboratory: 1	*Outline Update *Title Update from Advanced Python Programming *Prerequisites revalidated *Catalog/Schedule Description Update	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Programming courses often require the instructor to check students' code line by line. A large class size will affect the	2024 Fall	Outline, title, prerequisites revalidated, and catalog/schedule description updated to better reflect course content.

			instructional quality and should be avoided.		
CTRP 054 C Two-Four Voice Testimony Units: 3 Lecture: 2 Laboratory: 3	*Outline Update *Student Learning Outcomes Update *Textbook Update	30	Class time focuses on individualized instruction, student presentation time, and/or group learning.	2024 Fall	Outline, SLOs, and textbook updated to better reflect course content.
CTRP 071 C Legal Terminology and Rhetoric Units: 3 Lecture: 3 Laboratory: 0	*Outline Update *Outside of class hours from 0 to 108 *Total student learning hours from 0 to 162 *Textbook Update	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations.	2024 Fall	Outline, outside of class hours, total student learning hours, and textbook updated to better reflect course content.
JAPN 200 C Conversational Japanese Units: 2 Lecture: 2 Laboratory: 0	*Outline Update *Class size from 30 to 25 *Add Distance Education: Fully and Partially *Prerequisite revalidated *Textbook 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 proceeds.	2024 Fall	Outline, class size, add distance education, prerequisite revalidated, and textbook updated to better reflect course content. Online/hybrid courses are a critical option for students who are unable to regularly attend on-campus classes due to their work schedules, family obligations, etc. To support our community, this online course provides an alternative path for students who want to learn and achieve academically but would otherwise be excluded from our educational opportunities. Conversational Japanese, JAPN 200C, is a specialized class designed to help new language learners improve their pronunciation and speaking skills. Class time focuses on individualized instruction, student presentation time, and/or group learning. The instructor monitors and provides each student with individual feedback as the class proceeds. Classes at higher levels, such as JAPN 200C, need more individualized feedback than classes with lower level students. This is because students at higher levels are more likely to make more complex mistakes, which require more detailed feedback. student the individual attention they need to thrive.
PHOT 103 C Intermediate Photography Units: 3 Lecture: 2 Laboratory: 4	*Outline Update *Class size from 25 to 20. *Add Prerequisite: PHOT 101 C *Remove advisory *Catalog/Schedule Description Update	20	Most of the time students are engaged in practicing the communication skills they are learning and the instructor gives each student individual instruction as the class proceeds.	2024 Fall	Outline, class size, add prerequisite, remove advisory, and catalog/schedule description updated to better reflect course content. Course objectives and catalog descriptions must be updated to reflect what will be covered in the

					course. We would like the emphasis of this course to be heavily analog-based.
PHOT 109 C Portrait Photography Units: 3 Lecture: 2 Laboratory: 4	*Outline Update *Class size from 25 to 20. *Class fee from \$20 to \$35 *Advisory revalidated *Student Contact Hours from 90 to 108 *Total Student Learning Hours from 162 to 180 *Lab hours from 3 to 4 *Catalog/Schedule Description Update	20	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.	2024 Fall	Outline, class size, class fee, advisory revalidated, student contact hours, total student learning hours, lab hours, and catalog/schedule description updated to better reflect course content.
PHOT 202 C Contemporary Photography Units: 3 Lecture: 2 Laboratory: 4	*Outline Update *Advisory revalidated and removal of ART 100 C. *Catalog/Schedule Description Update *Textbook 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 proceeds.	2024 Fall	Outline, advisory revalidated, removal of ART 100 C, catalog/schedule description, and textbook updated to better reflect course content.
PHOT 203 C Studio Lighting Techniques Units: 3 Lecture: 2 Laboratory: 4	*Outline Update, *Class Fee from \$20 to \$35 *Advisory revalidated *Catalog/Schedule 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 proceeds.	2024 Fall	Outline, class fee, advisory revalidated, and catalog/schedule description updated to better reflect course content.
PHOT 206 C Studio Practices Units: 3 Lecture: 2 Laboratory: 4	*Outline Update *Advisory revalidated	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.	2024 Fall	Outline, class size, and advisory revalidated to better reflect course content.
THEA 141 C Video and Projection Design for Theatre Units: 3 Lecture: 2 Laboratory: 3	*Outline Update *Advisory revalidated *Student Learning Outcomes Update	25	The class requires the students to use electricity, computer software, and ladders to work with stage rigging. The class size of 25 students establishes the appropriate limit of students that can be safely supervised and taught by an instructor.	2024 Fall	Outline, advisory revalidated, and SLOs updated to better reflect course content.

NEW DEGREES/CERTIFICATES			
DEGREE		EFF DATE	JUSTIFICATION

Court Reporting	Court Reporting Technology This certificate prepares the student to work in the field of court reporting with a high degree of knowledge of the technology required to produce a finished transcript for court and deposition-related documents. To earn a certificate the student must complete the required courses as listed with a minimum grade of "C". At least 50 percent of all coursework must be completed at Cypress College. This certificate requires a total of 19 units.		2024 Fall	Court reporting students need to learn advanced court reporting technology in order to be competitive in the job market using CAT software, Zoom, and other delivery methods via the Internet.	
	Required Courses:				
		Units			
	CTRP083 C	Computer Aided Transcription - Stenograph			2
		or			
	CTRP084 C	Computer Aided Transcription - Eclipse			2
	CTRP085 C	Computer Aided Transcription - Dictionary Building			2
	CTRP093 C	Information Technology-CTRP			2
	CTRP051 C	Court-Conference Reporting: Legal			3
	CTRP052 C	Court-Conference Reporting: Medical			3
	CTRP053 C	Court-Conference Reporting: Congressional			3
	CTRP091 C	Advanced Dictionary Build			2
	CTRP065 C	Advanced CAT Systems			2
Total Units		19			

MODIFY DEGREES/CERTIFICATES			
DEGREE		EFF DATE	JUSTIFICATION
Business	Business Administration 2.0 Associate in Science Degree for Transfer (AS-T) This curriculum is designed to provide an opportunity for the Business Administration major to achieve an Associate in Science Degree in Business Administration for Transfer (AS-T in Business Administration) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Business Administration or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The AS-T is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus	2024 Fall	Adding in additional course options per TMC/C-ID approvals. *PSLOs updated *Add: MATH 150AC Total units remain the same.

that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. Students successfully completing the AS-T in Business Administration will gain knowledge in accounting, business communications, information technologies, finance, law, management, and marketing. Because business is such a broad field with many emphases and majors, this degree will provide the student a broad overview of the possible fields of study in various business areas. To earn an AS-T in Business Administration students must complete the following requirements: (1) a minimum of 30 semester units or 45 quarter units in the Business Administration major with a grade of C or better; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California State University General Education Breadth requirements (CSU GE Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0.

Required Core: (30 units)

		Units
ACCT101 C	Financial Accounting	5
ACCT102 C	Managerial Accounting	5
BUS100 C	Introduction to Business	3
	or	
BUS211 C	Writing for Business	3
BUS240 C	Legal Environment of Business	3
MATH130 C	Survey of Calculus	4
	or	
MATH115 C	Finite Mathematics	4
	or	
MATH150AC	Calculus I	4
MATH120 C	Introduction to Probability and Statistics	4
ECON100 C	Principles of Economics-Macro	3
	or	
ECON100HC	Honors Principles of Economics-Macro	3
ECON105 C	Principles of Economics-Micro	3
	or	
ECON105HC	Honors Principles of Economics-Micro	3
Total Units		30

Computer Information Systems

Computer Programming Certificate

The program is designed to provide a working knowledge of what is required to be successful in the design, development, implementation, and maintenance of software programs and solutions based on user needs and requirements. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Required core course (3 units)

		Units
CSCI242 C	Computer Architecture and Organization	3

2024 Fall

*Course title update: CIS 234 C, CIS 275 C
Total units remain the same.

	<p>Select any two beginning programming courses (6 units)</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CSCI23 C</td> <td>Introduction to Programming Concepts in C++</td> <td>3</td> </tr> <tr> <td>CIS226 C</td> <td>Java Programming</td> <td>3</td> </tr> <tr> <td>CIS247 C</td> <td>Python Programming</td> <td>3</td> </tr> </tbody> </table> <p>Select one advanced course (3 units)</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CSCI133 C</td> <td>Data Structures in C++</td> <td>3</td> </tr> <tr> <td>CIS234 C</td> <td>Data Structures in Java</td> <td>3</td> </tr> <tr> <td>CIS275 C</td> <td>Data Structures in Python</td> <td>3</td> </tr> </tbody> </table> <p>Select one or two electives for a total of (4 units)</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CIS190 C</td> <td>IT & Cybersecurity Fundamentals</td> <td>4</td> </tr> <tr> <td>CIS256 C</td> <td>Application Security and Penetration Testing</td> <td>4</td> </tr> <tr> <td>CSCI252 C</td> <td>Discrete Structures</td> <td>3</td> </tr> <tr> <td>CIS274 C</td> <td>IT Project Management</td> <td>3</td> </tr> <tr> <td>COUN139 C</td> <td>Career Exploration</td> <td>1</td> </tr> </tbody> </table> <table border="1"> <tr> <td>Total Units</td> <td></td> <td>16</td> </tr> </table>			Units	CSCI23 C	Introduction to Programming Concepts in C++	3	CIS226 C	Java Programming	3	CIS247 C	Python Programming	3			Units	CSCI133 C	Data Structures in C++	3	CIS234 C	Data Structures in Java	3	CIS275 C	Data Structures in Python	3			Units	CIS190 C	IT & Cybersecurity Fundamentals	4	CIS256 C	Application Security and Penetration Testing	4	CSCI252 C	Discrete Structures	3	CIS274 C	IT Project Management	3	COUN139 C	Career Exploration	1	Total Units		16		
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Computer Information Systems	<p>Cyber Defense Associate in Science Degree The Cyber Defense Associate in Science Degree provides concepts and hands-on skills to identify Cybersecurity threats and implement procedures to protect Cyber assets. It will also enhance students’ chances to pursue a professional career in Cybersecurity by preparing them for industry-recognized certificates such as CompTIA ITF+, Network+, Security+, CySA+, Project+, Cisco CCNA and CyberOps, and AWS Certified Cloud Practitioner and Certified Solutions Architect – Associate. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Native General Education requirements; California State University General Education Breadth requirements (CSU GE Breadth) or IGETC General Education requirements; (3) the social justice, equity and sustainability and reading requirements; (4) any elective courses to complete a minimum of 60 units; and (5) have a minimum GPA of 2.0. At least 50 percent of all major course work must be completed at Cypress College. This degree requires a total of 26-28 units in the major, in addition to other graduation requirements.</p> <p>Complete the required and elective core courses and one area of emphasis (26 to 28 units) Required core courses (8 units):</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CIS190 C</td> <td>IT & Cybersecurity Fundamentals</td> <td>4</td> </tr> <tr> <td>CIS230 C</td> <td>Cisco Networking 1</td> <td>4</td> </tr> </tbody> </table> <p>Elective core courses (9 units)</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CIS195 C</td> <td>Network Security</td> <td>3</td> </tr> <tr> <td>CIS196 C</td> <td>Ethical Hacking</td> <td>3</td> </tr> <tr> <td>CIS247 C</td> <td>Python Programming</td> <td>3</td> </tr> </tbody> </table> <p>Complete all courses in one emphasis area from the following areas: Cisco Networking emphasis (9 units)</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CIS231 C</td> <td>Cisco Networking 2</td> <td>3</td> </tr> </tbody> </table>			Units	CIS190 C	IT & Cybersecurity Fundamentals	4	CIS230 C	Cisco Networking 1	4			Units	CIS195 C	Network Security	3	CIS196 C	Ethical Hacking	3	CIS247 C	Python Programming	3			Units	CIS231 C	Cisco Networking 2	3	2024 Fall	*Course title update: CIS 275 C Total units remain the same.																		
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	and		
CIS232 C	Cisco Networking 3		3
Select one emphasis area's secondary courses:			
		Units	
CIS239 C	CCNA Bootcamp		3
CIS233 C	Cisco CyberOps		3
CIS258 C	Cisco Security		3
System Administration and Technical Support emphasis (9 units)			
		Units	
CIS164 C	IT Support Services		3
and			
CIS185 C	Administering Windows Server		3
Select one emphasis area's secondary courses:			
		Units	
CIS189 C	Administering Windows Active Directory Services		3
CIS243 C	Linux Server Administration		3
CIS110 C	Linux Operating System		3
Virtualization & Cloud Computing Emphasis (9 units)			
		Units	
CIS201 C	Microsoft Virtualization and Cloud Deployment		3
CIS259 C	Advanced Cloud Implementation		3
Select one emphasis area's secondary courses:			
		Units	
CIS202 C	VMware Cloud And Virtualization Networking		3
CIS274 C	IT Project Management		3
Development, Security, and Operations (DevSecOps) Engineering emphasis (11 units)			
		Units	
CIS256 C	Application Security and Penetration Testing		4
CIS257 C	Cloud Implementation and Security		4
Select one emphasis area's secondary courses:			
		Units	
CIS226 C	Java Programming		3
CIS259 C	Advanced Cloud Implementation		3
CIS274 C	IT Project Management		3
CIS275 C	Data Structures in Python		3
Total Units			26 - 28
Computer Information Systems	Cyber Defense Certificate The Cyber Defense certificate provides concepts and hands-on skills to identify Cybersecurity threats and implement procedures to protect Cyber assets. It will also enhance students' chances to pursue a professional career in Cybersecurity by giving them various options to prepare for industry-recognized certificates such as CompTIA ITF+, Network+, Security+, CySA+, Project+, Cisco CCNA and CyberOps, and AWS Certified Cloud Practitioner and Certified Solutions Architect – Associate. To earn a certificate, complete the required courses as	2024 Fall	*Course title update: CIS 275 C Total units remain the same.

listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 26-28 units.

Complete the required and elective core courses and one area of emphasis (26 to 28 units)

Required core courses (8 units):

		Units
CIS190 C	IT & Cybersecurity Fundamentals	4
CIS230 C	Cisco Networking 1	4

Elective core courses (9 units)

		Units
CIS195 C	Network Security	3
CIS196 C	Ethical Hacking	3
CIS247 C	Python Programming	3

Complete all courses in one emphasis area from the following areas:

Cisco Networking emphasis (9 units)

		Units
CIS231 C	Cisco Networking 2	3
	and	
CIS232 C	Cisco Networking 3	3

Select one emphasis area's secondary courses:

		Units
CIS239 C	CCNA Bootcamp	3
CIS233 C	Cisco CyberOps	3
CIS258 C	Cisco Security	3

System Administration and Technical Support emphasis (9 units)

		Units
CIS164 C	IT Support Services	3
	and	
CIS185 C	Administering Windows Server	3

Select one emphasis area's secondary courses:

		Units
CIS189 C	Administering Windows Active Directory Services	3
CIS243 C	Linux Server Administration	3
CIS110 C	Linux Operating System	3

Development, Security, and Operations (DevSecOps) Engineering emphasis (11 units)

		Units
CIS256 C	Application Security and Penetration Testing	4
CIS257 C	Cloud Implementation and Security	4

Select one emphasis area's secondary courses:

		Units
CIS226 C	Java Programming	3
CIS259 C	Advanced Cloud Implementation	3
CIS274 C	IT Project Management	3
CIS275 C	Data Structures in Python	3

Virtualization & Cloud Computing Emphasis (9 units)

		Units
CIS201 C	Microsoft Virtualization and Cloud Deployment	3
CIS259 C	Advanced Cloud Implementation	3

Select one emphasis area's secondary courses:

		Units
CIS202 C	VMware Cloud And Virtualization Networking	3
CIS274 C	IT Project Management	3

	Total Units	26 - 28																																													
Computer Information Systems	<p>Data Management Certificate</p> <p>This program helps prepare students for employment or further study in the Data Management and Sciences field. Data Sciences is the identification, analyses and interpretation of volumes of data that are collected from a wide variety of sources. Students will learn to identify patterns and relationships in large data sets, to resolve business questions and make data-driven decisions. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.</p> <p>Required courses are listed in suggested sequence (16 units):</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CIS142 C</td> <td>Database-Access for Windows</td> <td>3</td> </tr> <tr> <td>CIS236 C</td> <td>Introduction to Oracle: SQL & PL/SQL</td> <td>3</td> </tr> <tr> <td>CIS190 C</td> <td>IT & Cybersecurity Fundamentals</td> <td>4</td> </tr> <tr> <td>CIS274 C</td> <td>IT Project Management</td> <td>3</td> </tr> <tr> <td>COUN151 C</td> <td>Career and Life Planning</td> <td>3</td> </tr> <tr> <td colspan="2">Total Units</td> <td>16</td> </tr> </tbody> </table>			Units	CIS142 C	Database-Access for Windows	3	CIS236 C	Introduction to Oracle: SQL & PL/SQL	3	CIS190 C	IT & Cybersecurity Fundamentals	4	CIS274 C	IT Project Management	3	COUN151 C	Career and Life Planning	3	Total Units		16	<p>2024 Fall</p> <p>*Removed: CIS 110 C, CIS 275, CIS 295 C *Add: CIS 142 C, CIS 190 C Total units remain the same.</p> <p>Data Management is among today's fastest-growing professions as organizations increasingly rely on data to drive strategic business decisions. This will be a continuation of the OC Regional SWP Data Specialist Pathway.</p>																								
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Computer Information Systems	<p>DevSecOps (Development, Security, and Operations) Certificate</p> <p>This curriculum prepares the students for a career in DevOps and DevSecOps. The program is designed to teach students the skills of secure coding, security as code and integration of security practices within the DevOps process. Students will learn to incorporate security features in every step of the development and operations process. The curriculum also helps prepare students for the industry recognized DevSecOps, AWS Certified Cloud Practitioner, CompTIA Security+, Project+ certification exams. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 17 to 18 units.</p> <p>Required courses are listed in suggested sequence:</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CIS190 C</td> <td>IT & Cybersecurity Fundamentals</td> <td>4</td> </tr> <tr> <td colspan="3">or</td> </tr> <tr> <td>CIS230 C</td> <td>Cisco Networking 1</td> <td>4</td> </tr> <tr> <td>CIS195 C</td> <td>Network Security</td> <td>3</td> </tr> <tr> <td>CIS247 C</td> <td>Python Programming</td> <td>3</td> </tr> <tr> <td>CIS256 C</td> <td>Application Security and Penetration Testing</td> <td>4</td> </tr> <tr> <td colspan="3">And 1 course from the below list:</td> </tr> <tr> <th></th> <th></th> <th>Units</th> </tr> <tr> <td>CIS226 C</td> <td>Java Programming</td> <td>3</td> </tr> <tr> <td>CIS257 C</td> <td>Cloud Implementation and Security</td> <td>4</td> </tr> <tr> <td>CIS274 C</td> <td>IT Project Management</td> <td>3</td> </tr> <tr> <td>CIS275 C</td> <td>Data Structures in Python</td> <td>3</td> </tr> <tr> <td>CIS259 C</td> <td>Advanced Cloud Implementation</td> <td>3</td> </tr> <tr> <td colspan="2">Total Units</td> <td>17 - 18</td> </tr> </tbody> </table>			Units	CIS190 C	IT & Cybersecurity Fundamentals	4	or			CIS230 C	Cisco Networking 1	4	CIS195 C	Network Security	3	CIS247 C	Python Programming	3	CIS256 C	Application Security and Penetration Testing	4	And 1 course from the below list:					Units	CIS226 C	Java Programming	3	CIS257 C	Cloud Implementation and Security	4	CIS274 C	IT Project Management	3	CIS275 C	Data Structures in Python	3	CIS259 C	Advanced Cloud Implementation	3	Total Units		17 - 18	<p>2024 Fall</p> <p>*Catalog Description Update *PSLOs Update *Add: CIS 256 C, CIS 259 C *Remove: CIS 170 C, CIS 243 C, CIS 277 C *Course title update: CIS 275 C Total units from 19-20 to 17-18</p>
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Computer Science	<p>Computer Science Associate in Science Degree for Transfer (AS-T)</p> <p>This program is designed for students who are developing computer programming skills in preparation for professional careers and/or transfer to a four-year college or university. Courses are intended to meet the needs of</p>	<p>2024 Fall</p> <p>*PSLOs Update *Course title update: CIS 275 C</p>																																													

	<p>students at various levels of competence, from the novice to the expert. The department acquaints students with the presently available methods of computer science that are useful in solving problems of science, industry, and government; prepares students for the additional formal education and self-education required in this ever-developing field; and fosters students' abilities to solve computer science problems. The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. Students completing these degrees (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. To earn an AS-T in Computer Science students must complete the following requirements: (1) a minimum of 28 semester units or 42 quarter units in the major, (2) earn a grade of C or better in all courses required for the major, . A P(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (3) the Intersegmental General Education Transfer Curriculum (IGETC) pattern (or CSU version), (4) 60 semester or 90 quarter CSU-transferable units, and (5) obtainment of a minimum grade point average (GPA) of 2.0. This degree requires a total of 28 units.</p> <p>Required courses are listed in suggested sequence (28 units)</p> <table border="1" data-bbox="358 1050 1055 1696"> <thead> <tr> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>MATH150AC</td> <td>Calculus I</td> <td>4</td> </tr> <tr> <td>MATH150BC</td> <td>Calculus II</td> <td>4</td> </tr> <tr> <td>CSCI23 C</td> <td>Introduction to Programming Concepts in C++</td> <td>3</td> </tr> <tr> <td></td> <td>and</td> <td></td> </tr> <tr> <td>CSCI33 C</td> <td>Data Structures in C++</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>CIS226 C</td> <td>Java Programming</td> <td>3</td> </tr> <tr> <td></td> <td>and</td> <td></td> </tr> <tr> <td>CIS234 C</td> <td>Advanced Java Programming</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>CIS247 C</td> <td>Python Programming</td> <td>3</td> </tr> <tr> <td></td> <td>and</td> <td></td> </tr> <tr> <td>CIS275 C</td> <td>Data Structures in Python</td> <td>3</td> </tr> <tr> <td>CSCI242 C</td> <td>Computer Architecture and Organization</td> <td>3</td> </tr> <tr> <td>CSCI252 C</td> <td>Discrete Structures</td> <td>3</td> </tr> <tr> <td>PHYS221 C</td> <td>General Physics I</td> <td>4</td> </tr> <tr> <td>PHYS222 C</td> <td>General Physics II</td> <td>4</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Units</td> <td></td> <td>28</td> </tr> </tbody> </table>		Units	MATH150AC	Calculus I	4	MATH150BC	Calculus II	4	CSCI23 C	Introduction to Programming Concepts in C++	3		and		CSCI33 C	Data Structures in C++	3		or		CIS226 C	Java Programming	3		and		CIS234 C	Advanced Java Programming	3		or		CIS247 C	Python Programming	3		and		CIS275 C	Data Structures in Python	3	CSCI242 C	Computer Architecture and Organization	3	CSCI252 C	Discrete Structures	3	PHYS221 C	General Physics I	4	PHYS222 C	General Physics II	4				Total Units		28	<p>Total units remain the same.</p>
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Theatre Arts	<p>Musical Theatre Performance Certificate</p> <p>The Musical Theatre Certificate Program is designed to prepare the student for performance competency in the field of Musical Theatre. The Musical Theatre Certificate requires a total of 29-31 units, 26-27 units of which are in required courses and as listed with a with a grade of C or better. At least 50% of all</p>	<p>2024 Fall</p> <p>*Catalog Description Update *PSLOs Update *Add: MUS 101 C, THEA 124 C, THEA 105 C</p>																																																											

course work must be completed at Cypress College. This certificate requires 29-31 units.

Required courses are listed in suggested sequence: (26-27 units)

		Units
MUS101 C	Music Fundamentals	3
THEA120 C	Acting I	3
THEA124 C	Acting II	3
THEA126 C	Musical Theatre Techniques I	3
THEA127 C	Musical Theatre Techniques II	3
THEA132 C	Musical Theatre Performance I	2 - 3
	or	
THEA135 C	Musical Theatre Performance II	2 - 3
	or	
THEA232 C	Musical Theatre Performance III	2 - 3
	or	
THEA233 C	Musical Theatre Performance IV	2 - 3
THEA226 C	Musical Theatre Techniques III	3
THEA227 C	Musical Theatre Techniques IV	3
THEA105 C	Musical Theatre History	3

Select two courses from the following:(3-4 units)

		Units
DANC105 C	Ballet I	2
DANC106 C	Ballet II	2
DANC111 C	Jazz Dance I	2
DANC112 C	Jazz Dance II	2
DANC113 C	Tap Dance I	1
DANC114 C	Tap Dance II	1
Total Units		29 - 31

Total units from 20-22 to 29-31.