



## CYPRESS COLLEGE CURRICULUM COMMITTEE

Tuesday, May 5, 2020

<https://cccconfer.zoom.us/j/486513462>

(password: Cypress)

**3:00 p.m.**

### 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:**

**Silvie Grote, Chair**

1. **Establish Quorum and Acknowledge Alternates**
2. **Adoption of the Agenda**
3. **Approval of April 28, 2020 *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. Chair Report
9. **Distance education requirements discussion cont'**
10. **Approval of curriculum**
11. **Curriculum review demonstration**

**Info Items:**

CSCI 242 C- Advisory added: CIS 226 C or CIS 247 C, effective Fall 2020

CSCI 252 C-Prerequisite revised: CIS 226 C or CIS 247 C Advisory added: CSCI 242 C, effective Fall 2020

FSA to INDS courses-

#### REVISED COURSES

COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
BIOL 160 C Integrated Medical Science Units: 3 Lecture: 3 Laboratory: 0	*Outline Update *Course Classification code change from A to I *SAM Code change *Textbook Update	45	The primary mode of instruction is lecture and may include discussion and/or group learning. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.	2021 Fall	Outline, course classification code, SAM code and textbook updated to better reflect course content. Review of course in preparation for program review and the normal 5-year course revision cycle.
BIOL 175 C Evolution and Biodiversity Units: 4 Lecture: 3 Laboratory: 3	*Outline Update *Prerequisite revalidated *Catalog/Schedule Description Update *Textbook Update	25	This course includes a laboratory component in which the instructor provides extensive individualized feedback/evaluation on a regular basis. (e.g. problem sets, scientific experiments, vocational skills, lab reports).	2021 Fall	Outline, prerequisite revalidated, catalog/schedule description and textbook updated to better reflect course content. Course is up for revision due to 5-year cycle and also for program review.
DH 100 C Introduction to Dental Hygiene Units: 1.5	*Outline Update *Class size from 40 to 20 *Prerequisite revalidated *Catalog/Schedule Description Update	20	The primary mode of instruction will include students spending most of their time practicing skills that they will learn in theory and practice in lab. Student learning includes such topics as	2021 Summer	Justification is to reduce the seat count from 40 to 20. I was misinformed on the seat count when the course was written, and I was instructed to have a seat count of 40. All Dental Hygiene Program courses only have a

Lecture: 1.5 Laboratory: 1	*Student Learning Outcomes Update *Textbook Update		Infection Control, instrumentation, spatial reasoning activities that will require the instructor to give individual student instruction as the class proceeds. The lab component of the course, the instructors will provide extensive individualized feedback/evaluation on a regular basis. Evaluation is through competencies, writing assignments, and hands-on activities of clinical skills. The course is offered to the Dental Hygiene accepted candidates.		20-seat count and DH 100 will feed directly into the Dental Hygiene Program. It is impossible to feed a 40-seat count into our 20-seat count Dental Hygiene Program. The DH 100 primary mode of instruction will include students spending most of their time practicing skills that they will learn in theory and practice in lab. Student learning includes such topics as Infection Control, instrumentation, spatial reasoning activities that will require the instructor ratio 1:10 to give individual student instruction as the class proceeds. The lab component of the course, the instructors will provide extensive individualized feedback/evaluation on a regular basis. As the Standards set forth by the Dental Hygiene's Accreditation, Commission on Dental Accreditation, faculty to student ratio in laboratory setting is 1:10. The reduced seat count has been approved by the Dean of Health Science, Rebecca Gomez.
DH 101 C Dental Anatomy and Morphology Units: 2 Lecture: 2 Laboratory: 0	*Outline Update *Prerequisite revalidated *Catalog/Schedule Description Update	20	The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students. See attached Accreditation Mandate	2021 Fall	Outline, prerequisite revalidated, catalog and schedule description updated to better reflect course content.
DH 104 C Oral Health Assessment Units: 3 Lecture: 3 Laboratory: 0	*Outline Update *Prerequisite revalidated *Schedule Description Update	20	See attached accreditation mandate The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Outline and schedule description updated to better reflect course content and prerequisite revalidated.
DH 105 C Oral Embryology and Histology Units: 2 Lecture: 2 Laboratory: 0	*Outline Update *Course number change from DH 205 C *Prerequisite revalidated *Catalog/Schedule Description Update *Student Learning Outcomes Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five.	2021 Fall	Outline, course number, prerequisite revalidated, catalog/schedule description and SLOs updated to better reflect course content.
DH 106 C Radiology Technician - Hygienists Units: 3 Lecture: 2 Laboratory: 3	*Outline Update *Prerequisite revalidated and added verbiage *Catalog/Schedule Description Update *Textbook Update	20	The students engage in practicing skill and the instructor gives individual instruction as the class proceeds. The class is didactic, laboratory and clinical.	2021 Fall	Outline, prerequisite revalidated, catalog/schedule description and textbook updated to better reflect course content.
DH 110 C Clinical Dental Hygiene Units: 6 Lecture: 1 Laboratory: 15	*Outline Update *Prerequisite revalidated *Catalog Description Update *Textbook Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to five to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Outline, prerequisite revalidated, catalog description and textbook updated to better reflect course content.
DH 112 C Head and Neck Anatomy	*Outline Update *Course number change from DH 212 C	20	Classes for the Dental Hygiene Department are set at 20 due to the accreditation requirements of one	2021 Fall	Outline, course number, prerequisite revalidated, catalog schedule and

Units: 2 Lecture: 2 Laboratory: 0	*Prerequisite revalidated *Catalog Description Update *Textbook Update		instructor for every 5 students in laboratory and clinical courses. See attached accreditation mandate		textbook updated to better reflect course content.
DH 113 C General and Oral Pathology Units: 2 Lecture: 2 Laboratory: 0	*Outline Update *Prerequisite revalidated *Schedule Description Update *Textbook Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Outline, prerequisite revalidated, schedule description and textbook updated to better reflect course content.
DH 116 C Dental Materials - Hygienists Units: 3 Lecture: 1.5 Laboratory: 4	*Outline Update *Prerequisite revalidated *Catalog Description Update *Textbook Update	20	The students engage in practicing skill and the instructor gives individual instruction as the class proceeds. The class is didactic, laboratory, and clinical.	2021 Fall	Outline, prerequisite revalidated, catalog description and textbook updated to better reflect course content.
DH 125 C Perio Pathology and Therapy Units: 2 Lecture: 2 Laboratory: 0	*Outline Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Updated Method of Evaluation to better reflect course content.
DH 148 C Infection and Hazard Control and Medical/Dental Emergencies Management Units: 2 Lecture: 2 Laboratory: 0	*Outline Update *Course number change from DH 248 C *Title change from Medical/Dental Emergencies *Units change from 1 *Prerequisite revalidated *Student contact hours from 18 to 36 *Outside class hours from 36 to 72 *Lecture hours from 1 *Catalog/Schedule Description Update *Student Learning Outcomes Update *Textbook Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Outline, course number change, title change, units change, prerequisite revalidated, student contact/outside hours, lecture hours, catalog/schedule description, SLOs and textbook updated to better reflect course content.  Request an increase of units from 1 to 2 semester units to provide correct instruction to meet the required amount of new course content of infection and hazard control management. The requirements are from the Dental Hygiene Board of California and the Commission on Dental Accreditation.
DH 220 C Clinical Dental Hygiene Units: 6.5 Lecture: 1.5 Laboratory: 16	*Outline Update *Prerequisite revalidated *Catalog Description Update *Textbook 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. Classes in which the instructor coordinates internship/field practice opportunities and supervises students individually at different locations. (See attached file)	2021 Fall	Outline, prerequisite, catalog description and textbook updated to better reflect course content.
DH 221 C Clinical Dental Hygiene Units: 6.5 Lecture: 1 Laboratory: 16	*Outline Update *Prerequisite revalidated *Textbook Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Outline, prerequisite revalidated and textbook updated to better reflect course content.

DH 230 C Dental Specialties Units: 2 Lecture: 2 Laboratory: 0	*Outline Update *Prerequisite revalidated *Textbook Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Outline, prerequisite revalidated and textbook updated to better reflect course content.
DH 240 C Community Oral Health I Units: 2 Lecture: 2 Laboratory: 0	*Outline Update *Prerequisite revalidated *Catalog Description Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Outline, prerequisite revalidated and catalog description updated to better reflect course content.
DH 241 C Community Oral Health II Units: 2 Lecture: 2 Laboratory: 0	*Outline Update *Prerequisite revalidated *Schedule Description Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	*Outline, prerequisite revalidated and schedule description updated to better reflect course content.
DH 245 C Dental Ethics and Legal Principles Units: 2 Lecture: 2 Laboratory: 0	*Outline Update *Title change from Dental Jurisprudence *Prerequisite revalidated *Catalog Description Update *Student Learning Outcomes Update *Textbook Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Outline, title change, prerequisite revalidated, catalog description, SLOs and textbook updated to better reflect course content.
DH 250 C Pharmacology Units: 2 Lecture: 2 Laboratory: 0	*Outline Update *Prerequisite revalidated *Textbook Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Outline, prerequisite revalidated and textbook updated to better reflect course content.
DH 255 C Dental Anesthesiology Units: 3 Lecture: 2 Laboratory: 4	*Outline Update *Prerequisite revalidated *CIP Code change *Catalog/Schedule Description Update *Textbook 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 (See attached files). Classes in which the instructor coordinates internship/field practice opportunities and supervises students individually at different locations (see attached file)	2021 Fall	Outline, prerequisite, CIP code, catalog/schedule description and textbook updated to better reflect course content.
DH 260 C Dental Care for Special Patients Units: 2 Lecture: 2 Laboratory: 0	*Outline Update *Title change from Dental Care for Special Needs *Prerequisite revalidated *Catalog/Schedule Description Update	20	See accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Outline, title change, prerequisite revalidated, catalog and schedule description updated to better reflect course content.

DH 275 C Clinical Dental Hygiene 1A Units: .5 Lecture: 0 Laboratory: 1.5	*Outline Update *Prerequisite revalidated *Catalog Description Update *Textbook Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2021 Fall	Outline, prerequisite revalidated, catalog description and textbook updated to better reflect course content.
DH 276 C Clinical Dental Hygiene 2A Units: .5 Lecture: 0 Laboratory: 1.5	*Outline Update *Prerequisite revalidated *Catalog/Schedule Description Update *Textbook Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students. Labs in which the instructor provides extensive individualized feedback/evaluation on a regular basis.	2021 Fall	Outline, prerequisite revalidated, catalog/schedule description and textbook updated to better reflect course content.
DH 299 C Dental Hygiene Independent Study Units: .5-2 Lecture: .5-2 Laboratory: 0-6	*Outline Update *Prerequisite revalidated *Catalog Description Update *Student Learning Outcomes Update	20	See attached accreditation mandate. The faculty to student ratios for preclinical, clinical and radiographic clinical and laboratory sessions must not exceed one to five. Laboratory sessions in the dental science courses must not exceed one to ten to ensure the development of clinical competence and maximum protection of the patient, faculty and students.	2019 Fall	Outline, prerequisite revalidated, catalog description and SLOs updated to better reflect course content.
GEOL 100 C Physical Geology Units: 3 Lecture: 3 Laboratory: 0	*Outline Update *Catalog/Schedule Description Update *Textbook Update	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2021 Fall	Outline, catalog/schedule description and textbook updated to better reflect course content.
GEOL 100HC Honors Physical Geology Units: 3 Lecture: 3 Laboratory: 0	*Outline Update *Catalog/Schedule Description Update *Textbook Update	20	The Cypress College Honors Advisory Group recommends a maximum of 20 students for a seminar-style honors course to allow for in-depth class discussion and student presentations.	2021 Fall	Outline, catalog/schedule description and textbook updated to better reflect course content.
GEOL 125 C Natural Disasters Units: 3 Lecture: 3 Laboratory: 0	*Outline Update *Textbook Update	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.	2021 Fall	Outline update and textbook updated to better reflect course content.
GEOL 130 C Introduction to Oceanography Units: 3 Lecture: 3 Laboratory: 0	*Outline Update *Hybrid added *Textbook Update	45	Lecture/Discussion: •The primary mode of instruction is lecture and may include discussion and/or group learning. •Evaluation primarily through objective exams. •Writing assignments are assessed mostly for concepts and structure.	2021 Fall	Outline, hybrid added and textbook updated to better reflect course content. 5-year review and addition of partial online "hybrid" option
GEOL 131 C Introduction to Oceanography Lab Units: 1 Lecture: 0 Laboratory: 3	*Outline Update *Prerequisite revalidated *Schedule Description Update *Textbook Update	25	Lab – Individualized This course contains labs in which the instructor provides extensive individualized feedback/evaluation on a regular basis. (e.g. problem sets, scientific experiments, vocational skills, lab reports)	2021 Fall	Outline, prerequisite revalidated, schedule description and textbook updated to better reflect course content.
JAPN 200 C Conversational Japanese	*Outline Update *Prerequisite revalidated *Catalog Description Update	30	Class time focuses on individualized instruction, student presentation time, and/or group learning.	2021 Fall	Course needs to be offered new textbooks with the better communicative approach.

Units: 2 Lecture: 2 Laboratory: 0	*Student Learning Outcomes Update *Textbook Update *UC Transfer *IGETC: 3B, 6A				
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NEW DEGREES/CERTIFICATES																																																														
DEGREE		EFF DATE	JUSTIFICATION																																																											
Computer Science	<p><b>Computer Science Associate in Science Degree for Transfer</b></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 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, (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><b>Required courses are listed in suggested sequence (28 units)</b></p> <table border="1"> <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>CSCI123 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>CSCI133 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>Advanced Python Programming</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	CSCI123 C	Introduction to Programming Concepts in C++	3		and		CSCI133 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	Advanced Python Programming	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	2020 Fall	New AS-T for Fall 20. Students eagerly waiting for this degree. We have developed new CSCI courses needed for this degree.
	Units																																																													
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Geology	<p><b>Environmental Science Associate in Science Degree for Transfer</b></p> <p>This curriculum is designed to provide an opportunity for the Environmental Science major to achieve an Associate in Science Degree in Environmental Science for Transfer (AS-T in Environmental Science) which completes the first and second year requirements for transfer to a four-year public California institution. Students with a degree in Environmental Science may pursue careers in education, consulting, research or work in fields such as environmental geology, environmental engineering, zoology, hydrology, conservation science, or environmental law. 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 Environmental Science 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</p>	2020 Fall	We have all of the courses needed to build this new transfer degree.																																																											

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 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 Environmental Science students must complete the following requirements: (1) a minimum of 40 semester units or 60 quarter units in the Environmental Science major with a grade of C or better; (2) the Intersegmental General Education Transfer Curriculum (CSU IGETC) for STEM; (3) any electives need to reach 60 semester or 90 quarter units of CSU transferable coursework; and (4) have an overall GPA of 2.0. This degree requires a total of 40 units.

**Required Core: (14) units**

		Units
BIOL174 C	Biology of Cells and Tissues	4
CHEM111AC	General Chemistry I	5
CHEM111BC	General Chemistry II	5

**List A: (15) units**

		Units
GEOL190 C	Environmental Geology	3
	or	
BIOL103 C	Environmental Science	3
GEOL100 C	Physical Geology	3
	and	
GEOL101 C	Physical Geology Laboratory	1
MATH120 C	Introduction to Probability and Statistics	4
	or	
SOC161 C	Probability and Statistics-Social Sciences	4
	or	
SOC161HC	Honors Probability and Statistics-Social Sciences	4
	or	
PSY161 C	Probability and Statistics-Social Sciences	4
	or	
PSY161HC	Honors Probability and Statistics-Social Sciences	4
MATH150AC	Calculus I	4
	or	
MATH130 C	Survey of Calculus	4

**List B: (11) units**

		Units
PHYS221 C	General Physics I	4
PHYS222 C	General Physics II	4
ECON105 C	Principles of Economics-Micro	3
	or	
ECON105HC	Honors Principles of Economics-Micro	3
<b>Total Units</b>		<b>40</b>

**MODIFY DEGREES/CERTIFICATES**

DEGREE		EFF DATE	JUSTIFICATION
Dental Hygiene	<b>DENTAL HYGIENE ASSOCIATE IN SCIENCE DEGREE</b> The Cypress College Dental Hygiene Program is accredited by the Commission on Dental Accreditation, and has been granted the Accreditation status of approval without reporting. The Commission is a specialized accrediting body	2021 Fall	Added: DH 248 C, DH 275 C, DH 299 C

recognized by the United States Department of Education and the Council on Higher Education Accreditation. This program offers a curriculum that provides the student with the appropriate academic instruction to achieve eligibility for the National Board of Dental Hygiene Examiners written examination, and the Western Regional Examining Board Examination (WREB) for licensure as a Registered Dental Hygienist, qualifying the candidate as stipulated in the California Dental Practice Act. To earn an Associate Degree student must complete all graduation requirements to include: (1) all major course requirements with a 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 cultural diversity 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% of all major course work must be completed at Cypress College. Statement of Program Goals and Objectives The goal of the Dental Hygiene Program at Cypress College is to provide the student with the educational opportunity to attain (1) dental hygiene process of care knowledge, skills, and values, (2) a professional relationship with the community in which they serve, (3) a relationship amongst allied health care team, (4) professional knowledgeable of and compliance with OSHA, HIPAA, Law and Ethics, Dental Hygiene Board of California, and local regulatory guidelines, as well as (5) professional sensitivity to the autonomy, beneficence, and nonmaleficence principles of ethical practice. PROGRAM OBJECTIVES 1. To educate dental hygiene students in the ethical, legal, and competent practice of dental hygiene. 2. To educate dental hygiene students in the areas of disease prevention and oral health promotion. 3. To facilitate dental hygiene student's involvement in community projects. 4. To promote professional growth, development, and an appreciation for scholarly activity. 5. To ensure the dental hygiene student provides optimal patient care. 6. To qualify for licensure as a Registered Dental Hygienist, and a professional member of the allied health team. MINIMUM STANDARDS FOR APPLICANTS 1. Eligibility for admission to Cypress College. 2. High school graduation or completion of the General Education Development (GED) test or passing of high school proficiency examination. 3. Minimum of 17 years of age to apply. Must be 18 years age to start the program. 4. A minimum of 2.5 GPA in ALL college work attempted and a 3.0 GPA in the science prerequisites. Official transcript of all colleges are required. 5. Evidence of "good" physical and mental health as determined by medical examination upon admission to the program and prior to enrollment. 6. Three (3) Science courses must be completed prior to application. See list below. 7. Three (3) General Education courses must be completed prior to application. 8. All applicants accepted to the program are required to attend a mandatory orientation. 9. All accepted and alternate applicants are required to pass DH 100C Introduction to Dental Hygiene. PREREQUISITES The following courses must be completed with a minimum grade of C and an overall GPA of 3.0. 1. Science: All courses must be completed within five years of filing the initial application. Four courses must be completed prior to application; the remainder must be completed no later than the end of the spring semester prior to enrollment in the fall program. Required courses are listed in suggested sequence: Course # Title Units CHEM 101 C Introduction to Chemistry 5 or equivalent (5) CHEM 201 C BioChemistry (4) BIOL 220C Medical Microbiology 4 BIOL 230 C General Anatomy 4 BIOL 240 C Human Physiology 5 2. In addition, a minimum of three courses of the following related courses must be completed prior to application. All courses must be completed by the end of the spring semester prior to fall enrollment into the program. PSY 101 C General Psychology 3 SOC 101 C Introduction to Sociology 3 COMM 100 C Human Communication 3 ENGL 100 C College Writing 3 Cultural Diversity 3 HRC 100 C Nutrition 3 ADDITIONAL COURSES The following courses are required for the Associate Degree must be completed by the end of the spring semester prior to fall enrollment into the program. MATH 040 C Intermediate Algebra or higher 4 Arts 3 Humanities 3 Physical Education (Activity) 1 Reading Proficiency 3 DENTAL HYGIENE CURRICULUM Dental Hygiene courses must be taken in a specific sequence. Students must obtain a minimum grade of C or better in all courses listed in the Dental Hygiene Curriculum to continue in the program. Refer to the General Education Requirement of the college to obtain an Associate Degree. Upon completion of the Dental Hygiene curriculum listed below and the general education requirements, the student will be eligible for an Associate Degree in Dental Hygiene from Cypress College. To earn an Associate Degree student must complete all graduation requirements to include: (1) all major course requirements with a C or better; (2) 25 units of General Education Graduation Requirements; (3) the cultural diversity 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% of all major course work must be completed at Cypress College. The goal of the Dental Hygiene Program at Cypress College is to provide the student with the educational opportunity to attain (1) dental hygiene process of care knowledge, skills, and values, (2) a professional relationship with the community in which they serve, (3) a relationship amongst allied health care team, (4) professional knowledgeable of and compliance with OSHA, HIPAA, Law and Ethics, Dental Hygiene Board of California, and local regulatory guidelines, as well as (5) professional sensitivity to the autonomy, beneficence, and nonmaleficence principles of ethical practice. PROGRAM OBJECTIVES 1. To educate dental hygiene students in the ethical, legal, and competent practice of dental hygiene. 2. To educate dental hygiene students in the areas of disease prevention and oral health promotion. 3. To facilitate dental hygiene student's involvement in community projects. 4. To promote professional growth, development, and an appreciation for scholarly activity. 5. To ensure the dental hygiene student provides optimal patient care. 6. To qualify for licensure as a Registered Dental Hygienist, and a professional member of the allied health team. MINIMUM STANDARDS FOR APPLICANTS 1. Eligibility for admission to Cypress College. 2. High school graduation or completion of the General Education Development (GED) test or passing of high school proficiency examination. 3. GPA of 2.5 or higher in all college work completed. 4. Evidence of good physical and mental health as determined by medical examination upon admission to the program and prior to enrollment. 5. Completion of specific science courses with a minimum of "C" grade and overall GPA of 3.0. See list below. 6. Completion of specific general education courses prior to application. PREREQUISITES The following courses must be completed with a minimum grade of C and an overall GPA of 3.0. 1. Science: All courses must be completed within five years of filing the initial application. Four courses must be completed prior to application; the remainder must be completed no later than the end of the spring semester prior to enrollment in the fall program. This degree requires a total of 61.5-63 units.

**SEMESTER 1 (17 units)**

		Units
DH101 C	Dental Anatomy and Morphology	2
DH104 C	Oral Health Assessment	3
DH106 C	Radiology Technician - Hygienists	3

Total units from 59 to 61.5-63

Course number changed:  
DH 205C to DH 105 C.  
DH 212 C to DH 112 C,  
DH 248 C to DH 148 C

Course title changed: DH  
245 C, DH 260 C, DH  
148 C

Course units changed:  
DH 148 C



	<table border="1"> <tbody> <tr> <td>DH109 C</td> <td>Pre-Clinical Dental Hygiene</td> <td>5</td> </tr> <tr> <td>DH105 C</td> <td>Oral Embryology and Histology</td> <td>2</td> </tr> <tr> <td>DH148 C</td> <td>Infection and Hazard Control and Medical/Dental Emergencies Management</td> <td>2</td> </tr> <tr> <td colspan="3"><b>SEMESTER 2 (15.5 units)</b></td> </tr> <tr> <td></td> <td></td> <td><b>Units</b></td> </tr> <tr> <td>DH110 C</td> <td>Clinical Dental Hygiene</td> <td>6</td> </tr> <tr> <td>DH113 C</td> <td>General and Oral Pathology</td> <td>2</td> </tr> <tr> <td>DH116 C</td> <td>Dental Materials - Hygienists</td> <td>3</td> </tr> <tr> <td>DH125 C</td> <td>Perio Pathology and Therapy</td> <td>2</td> </tr> <tr> <td>DH112 C</td> <td>Head and Neck Anatomy</td> <td>2</td> </tr> <tr> <td>DH275 C</td> <td>Clinical Dental Hygiene 1A</td> <td>0.5</td> </tr> <tr> <td colspan="3"><b>SEMESTER 3 (15.5 units)</b></td> </tr> <tr> <td></td> <td></td> <td><b>Units</b></td> </tr> <tr> <td>DH220 C</td> <td>Clinical Dental Hygiene</td> <td>6.5</td> </tr> <tr> <td>DH240 C</td> <td>Community Oral Health I</td> <td>2</td> </tr> <tr> <td>DH250 C</td> <td>Pharmacology</td> <td>2</td> </tr> <tr> <td>DH255 C</td> <td>Dental Anesthesiology</td> <td>3</td> </tr> <tr> <td>DH260 C</td> <td>Dental Care for Special Patients</td> <td>2</td> </tr> <tr> <td colspan="3"><b>SEMESTER 4 (13.5-15 units)</b></td> </tr> <tr> <td></td> <td></td> <td><b>Units</b></td> </tr> <tr> <td>DH221 C</td> <td>Clinical Dental Hygiene</td> <td>6.5</td> </tr> <tr> <td>DH230 C</td> <td>Dental Specialties</td> <td>2</td> </tr> <tr> <td>DH241 C</td> <td>Community Oral Health II</td> <td>2</td> </tr> <tr> <td>DH245 C</td> <td>Dental Ethics and Legal Principles</td> <td>2</td> </tr> <tr> <td>DH299 C</td> <td>Dental Hygiene Independent Study</td> <td>0.5 - 2</td> </tr> <tr> <td>DH276 C</td> <td>Clinical Dental Hygiene 2A</td> <td>0.5</td> </tr> <tr> <td colspan="2"><b>Total Units</b></td> <td><b>61.5 - 63</b></td> </tr> </tbody> </table>	DH109 C	Pre-Clinical Dental Hygiene	5	DH105 C	Oral Embryology and Histology	2	DH148 C	Infection and Hazard Control and Medical/Dental Emergencies Management	2	<b>SEMESTER 2 (15.5 units)</b>					<b>Units</b>	DH110 C	Clinical Dental Hygiene	6	DH113 C	General and Oral Pathology	2	DH116 C	Dental Materials - Hygienists	3	DH125 C	Perio Pathology and Therapy	2	DH112 C	Head and Neck Anatomy	2	DH275 C	Clinical Dental Hygiene 1A	0.5	<b>SEMESTER 3 (15.5 units)</b>					<b>Units</b>	DH220 C	Clinical Dental Hygiene	6.5	DH240 C	Community Oral Health I	2	DH250 C	Pharmacology	2	DH255 C	Dental Anesthesiology	3	DH260 C	Dental Care for Special Patients	2	<b>SEMESTER 4 (13.5-15 units)</b>					<b>Units</b>	DH221 C	Clinical Dental Hygiene	6.5	DH230 C	Dental Specialties	2	DH241 C	Community Oral Health II	2	DH245 C	Dental Ethics and Legal Principles	2	DH299 C	Dental Hygiene Independent Study	0.5 - 2	DH276 C	Clinical Dental Hygiene 2A	0.5	<b>Total Units</b>		<b>61.5 - 63</b>		
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Multimedia	<p><b>Multimedia Advertising Certificate</b></p> <p>The certificate program will enable students to apply multimedia production skills and knowledge in such areas as Internet, computer imaging, photography, art and music to careers in the field of advertising, developing promotional materials to communicate with customers. 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 18 units.</p> <p><b>Required courses are listed in suggested sequence (18 units):</b></p> <table border="1"> <tbody> <tr> <td></td> <td></td> <td><b>Units</b></td> </tr> <tr> <td>FAME130 C</td> <td>Introduction to Electronic Media</td> <td>3</td> </tr> <tr> <td>JOUR130 C</td> <td>Visual Communication</td> <td>3</td> </tr> <tr> <td>PHOT101 C</td> <td>Introduction to Photography</td> <td>3</td> </tr> <tr> <td>MKT103 C</td> <td>Principles of Advertising</td> <td>3</td> </tr> <tr> <td>MKT222 C</td> <td>Principles of Marketing</td> <td>3</td> </tr> <tr> <td>CIS179 C</td> <td>Web Page Development</td> <td>3</td> </tr> <tr> <td colspan="2"><b>Total Units</b></td> <td><b>18</b></td> </tr> </tbody> </table>			<b>Units</b>	FAME130 C	Introduction to Electronic Media	3	JOUR130 C	Visual Communication	3	PHOT101 C	Introduction to Photography	3	MKT103 C	Principles of Advertising	3	MKT222 C	Principles of Marketing	3	CIS179 C	Web Page Development	3	<b>Total Units</b>		<b>18</b>	2021 Fall	All FAME courses listed were previously MAD prefix.																																																									
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MUS178 C	Digital Music Technology	3		
FAME100 C	Introduction to Media Arts Design	3		
	or			
FAME102 C	Introduction to WEB Design	3		
	or			
FAME103 C	Exploring WEB Design	3		
FAME134 C	Digital Imaging	3		
Total Units		21		