



## Curriculum Committee

October 19, 2017

12:30pm

### Berger Faculty Innovation Center

**Members (13):** D. Greene (Chair); G. Brown (Business & Applied Technology), S. Cooper (General Counseling), C. Doussett (Kinesiology/ECE), L. Emerson (Social Sciences), J. Fernald (Library & Learning Resources), S. Gaete (Nursing & Health Sciences), A. Garcia (Adjunct), R. Guinn (Science), L. Jackson (Arts & Media), J. Learned (Math & Computer Science), E. Reed (Communication & Humanities), A. Uhlhorn (Student Services/Special Programs)

**Ex-Officio (non-voting):** M. Jasso (Articulation Officer), P. Ralston (VP Student Learning), (Student Representative)

**Staff:** J. Magbuhat (Curriculum & Catalog Specialist), C. Contopulos (Recorder)

#### 1. Call to Order and Presence of a Quorum

#### 2. Public Comments

#### 3. Approval of Agenda

#### 4. Approval of October 3, 2017 Minutes

#### 5. Action – Majority 7

##### I. CONSENT:

##### *A. Course Modifications*

*(Changes which do not affect statutory or regulatory curriculum standards: minor, non-substantive changes in catalog description, objectives, SLOs, assignments, or content; changes in the text and/or instructional materials; change in course title)*

- 1) HIST-050 American Popular Culture  
**Textbook update**
- 2) HS-071 Strategies for Success/Nursing Program  
**PERIODIC REVIEW:** Increase class size max from 40 to 45
- 3) HS-080 Electrocardiogram (ECG) Interpretation  
**PERIODIC REVIEW:** Increase class size max from 35 to 45, update SLOs
- 4) FIRE-008 Firefighting Strategies & Tactics  
**PERIODIC REVIEW:** Update SLOs, content, text, and assignments
- 5) MUS-023 Commercial Voice ~~Vocal~~ Styles  
**PERIODIC REVIEW:** Modify course title, delete Advisory: MUS-022A, update SLOs
- 6) VSW-075 ~~Sand Beach~~ Volleyball  
Modify course title for compliance. Update schedule description, SLOs, objectives and assignments.

1. MUS-006 History of Film Music  
*Add Distance Education modality, update text, and modify methods of evaluation.*
2. BFFA-063A Basic Fire Fighter I Academy (Part 1)  
**PERIODIC REVIEW:** Add **\$140.00** Fees, and update texts.
3. BFFA-063B Basic Fire Fighter I Academy (Part 2)  
**PERIODIC REVIEW:** Add **\$60.00** testing fee, and update texts.
4. CSFM-070 Confined Space - Awareness  
**PERIODIC REVIEW:** Add **\$20.00** CSFM certificate fee.
5. CSFM-077A Fire Investigation 1A: Fire Origin & Cause Determination
6. CSFM-077B Fire Investigation 1B: Techniques of Fire Investigation  
**PERIODIC REVIEW:** Add **\$80.00** CSFM certificate fee.

**b. New Courses**

1. CSFM-076 Low Angle Rescue Operational
2. ESYS-021 Residential Energy Modeling  
Prerequisite: BIT-024      Advisory: ACR-075, ESYS-004, ESYS-005 and ARCH-011
3. ESYS-022 Residential Energy Modeling Design Project  
Prerequisite: ESYS-021
4. ESYS-033 Residential House Electrical Wiring  
Advisory: ESYS-002 & ESYS-004
5. ESYS-035 Advanced Lighting Controls  
Advisory: ESYS-002 & ESYS-005
6. FIRE-001A Principles of Emergency Services 1A  
Advisory: ENG-070
7. FIRE-001B Principles of Emergency Services 1B  
Prerequisite: FIRE-001A;      Advisory: ENG-070

**c. New Program**

**1. BUILDING COMMISSIONING TECHNICIAN CERTIFICATE OF ACHIEVEMENT**

The Building Commissioning Technician offers students the opportunity to learn the occupational skills needed by future entry-level commissioning technicians in the energy efficient building industry. Building Commissioning (Cx) is the process of verifying that a building's systems operate as intended. Commissioning Technicians (CxT) and Commissioning Agents (CxA) work in a team environment, coordinating directly with architects, engineers, subcontractors, and the building owner to oversee, examine, and verify that the building systems are designed, installed, and tested according to the project's design specifications. This certificate focuses on how the building commissioning process is applied to new and existing buildings. Students will learn the fundamentals of the commissioning process through each step of a construction project – from predesign to occupancy and operations. Courses in Heating Ventilation and Air Conditioning, Building Controls Automaton and California energy codes will provide the student an opportunity to discover all the stakeholders involve in the commissioning process.

**Program Learning Outcomes:**

1. Display the skills and aptitude necessary to pass Commissioning Technician (CXT) exam and/or LEED Green Associate exam.
2. Exhibit the basic skills to complete commercial energy systems performance audit.

**Required Courses:**

ESYS 002	Electricity & Electrical Theory .....	3
ESYS 006	Fundamentals of Building Commissioning .....	3
ESYS 035	Advanced Lighting Controls .....	3

ACR 075	HVACR Systems Design .....	3
ACR 084	Boiler & Hydronic Heating .....	3
ACR 090	Building Automation Fundamentals .....	3
ACR 091	Advanced Building Control Networks .....	3
BIT 020	California Mechanical Codes .....	2
BIT 040	California Electrical Codes .....	2
<b>CERTIFICATE TOTAL.....</b>		<b>25</b>

**2. BUILDING ENERGY CONSULTANT CERTIFICATE OF ACHIEVEMENT**

This certificate of achievement is for students interested in a career in the building energy consulting industry. Energy consultant selects the energy systems, documents, and verifies energy code is being met. Energy consultants work in a team environment, coordinating directly with architects, engineers, subcontractors, and the building owner to oversee, and examine multiple pathways to achieve the energy goals set by the owner and city ordinances. The student will model the building with alternative wall systems, roofs, window, and energy systems to meet the owner’s energy goals. The student will receive comprehensive training in energy analysis software programs that may be used to document compliance with CA Building Energy Efficiency Standards (Title 24, Part 6), ASHRAE 90.1 Standards, HERS energy rating systems as well as residential and nonresidential Green Building rating systems, such as GreenPoint Rated and LEED.

**Program Learning Outcomes:**

1. Display the skills and aptitude necessary to pass the Certified Energy Auditor (CEA) exam and/or Home Energy Rating System (HERS) exam.
2. Exhibit the basic skills to complete residential energy systems performance audit.

**Required Courses:**

ESYS 004	Industrial Calculations .....	3
ESYS 005	Zero Net Energy Building Science .....	4
ESYS 021	Residential Energy Modeling .....	3
ESYS 022	Residential Energy Modeling Design Project .....	2
ACR 075	HVACR Systems Design .....	3
ACR 077	Energy Conservation Methods for HVACR .....	3
BIT 020	California Mechanical Codes .....	2
BIT 024	California Energy Codes .....	3
ARCH 011	Architectural Blueprint Reading .....	3
<b>CERTIFICATE TOTAL.....</b>		<b>26</b>

II. ITEMS PULLED FROM CONSENT AGENDA (if need be)

III. COURSES AND PROGRAMS – 1<sup>ST</sup> READING

**A. Course Modifications:**

1. ANTH-001 Introduction to Physical Anthropology  
*Modify SLOs & objectives; change prerequisite from ~~ENG-070~~ to ENG-061*
2. BIT-024 California Energy Codes  
*Add Distance Educ modality; modify SLOs & objectives; change advisory from ~~ENG-070~~ to ENG-061*
3. CSFM-079B I-200: Basic ICS
4. CSFM-079D I-400: Advanced ICS  
**PERIODIC REVIEW:** Add **\$20.00** CSFM certificate fee
5. CSFM-082A Fire Apparatus Driver/Operator 1A: Emergency Vehicle Ops
6. CSFM-082B Fire Apparatus Driver/Operator 1B: ~~Pump Operations~~ Pumping Apparatus Ops  
**PERIODIC REVIEW:** Change units from 2 (1.75 lecture + .25 lab) to 1.5 (1 lecture + 0.5 lab), change contact hours from 31.5 lecture + 13.5 lab to 18 lecture + 27 lab hours; add **\$80.00** CSFM certificate fee; modify title, catalog description, content, SLOs and objectives.
7. HS-065 Basic Pharmacology  
**PERIODIC REVIEW:** Change advisory from MATH-060 to BI-004, modify catalog and schedule descriptions, change course content, SLOs and objectives, and update textbooks.

**B. New Programs**

**1. GENERAL BUSINESS AS Degree for Employment Preparation**

General Business is the study of basic principles, concepts and the language of organizations. The General Business AS Degree focuses on employment preparation. This program was not developed to be transferable to a four-year university. Changing academic goals will generally require additional courses, consult with a counselor for further information. Career paths chosen by students pursuing the General Business AS Degree include not only entry level general business positions. The program provides the flexibility for students to pursue other more specialized interests in business. These would include areas like finance, human resources, hospitality, information technology and public administration. Even students who choose not to major in General Business find that coursework in the field can improve their ability to think critically, problem-solve, manage their lives, and understand the business issues that engage our world, our country, and our communities. For more information please call (760) 773-2571. Advisors: D. George, P. Stegeman

**Career Opportunities**

Career paths chosen by students pursuing this degree include not only entry level general business positions but also more specialized interest such as finance, human resources, hospitality, information technology, public administration, or any of the industries represented in the other CTE programs.

**Required Courses: 13 units**

BUMA 001	Principles of Management .....	3
BUMA 010	Introduction to Business .....	3
BUMA 032	Human Relations in the Workplace .....	3
CIS 010	Computer Literacy .....	4

**Elective Courses - Select 27 units from the following: Units**

AGBU 059A	Leadership .....	1
AGBU 059B	Careers .....	1
BUAC 003	Accounting for Government and Non-Profit .....	3
BUAC 004	Tax Accounting I - Individuals .....	3
BUAC 010	Accounting with QuickBooks .....	3
BUAC 013	Payroll Accounting .....	3
BUAC 020A	Financial Accounting .....	4
BUAC 020B	Managerial Accounting .....	4
BUAC 050	Accounting In The Business Environment .....	3
BUAC 051	Accounting for Non-Accountants .....	3
BUFI 012	Money Management and Planning for the Future .....	3
BUHM 063	Hotel and Restaurant Operations .....	3
BUMA 020A	Business Law I .....	3
BUMA 027	Marketing .....	3
BUMA 028	Small Business: Development & Management .....	3
BUMA 029	Retail Merchandise Management .....	3
BUMA 031	Business Calculations .....	3
BUMA 064	Human Resource Management .....	3
BUMA 094	Business Communications .....	3
CIS 006	Business Research .....	1
CIS 012	Professional Office Procedures .....	3
CIS 072D	Excel .....	3
CIS 082C	Website Design .....	3
DDP 010	Graphic Design I .....	3
DDP 020	New Media I .....	3
ECON 001	Principles of Macroeconomics .....	3
ECON 002	Principles of Microeconomics .....	3
BUMA 095A	Business Management Work Experience .....	1-8

*(Maximum of 3 units may be used for work experience)*

<b>COD General Education Pattern:</b> .....	<b>18</b>
<b>Physical Education Activities:</b> .....	<b>2</b>
<b>DEGREE TOTAL</b> .....	<b>60</b>

**2. GENERAL BUSINESS Certificate of Achievement**

General business is the study of basic principles, concepts and the language of organizations. The General Business certificate focuses on employment preparation. Career paths chosen by students pursuing the General Business Certificate include entry level general business positions. Even students who choose not to major in general business find that coursework in the field can

improve their ability to think critically, problem-solve, manage their lives, and understand the business issues that engage our world, our country, and our communities. For more information please call (760) 773-2571. Advisors: D. George, P. Stegeman

**Career Opportunities**

Career paths chosen by students pursuing this degree include not only entry level general business positions but, if combined with other certificates, more specialized interest such as finance, human resources, hospitality, information technology, public administration, or any of the industries represented in the other CTE programs.

**Required Courses**

BUMA 001	Principles of Management .....	3
BUMA 010	Introduction to Business .....	3
BUMA 032	Human Relations in the Workplace .....	3
CIS 010	Computer Literacy .....	4

**Elective Courses – Select 9 units from the following:**

BUAC 050	Accounting in the Business Environment .....	3
BUAC 051	Accounting for Entrepreneurs and Business Managers .....	3
BUMA 020A	Business Law I .....	3
BUMA 027	Marketing .....	3
BUMA 031	Business Calculations .....	3
BUMA 064	Human Resource Management .....	3
BUMA 094	Business Communications .....	3
CIS 006	Business Research .....	1
CIS 072D	Excel .....	3
BUMA 095A	Business Management Work Experience .....	1-8
	<i>(Maximum of 3 units may be used for work experience)</i>	

**CERTIFICATE TOTAL .....** 22

**3. NUTRITION AND DIETETICS AS Degree and Transfer Preparation**

The Associate in Science in Nutrition and Dietetics for Transfer introduces students to the principles and methodologies used in the study of nutrition and dietetics. Students will acquire the foundational knowledge necessary to pursue post-secondary degrees in nutrition and dietetics. To earn an Associate in Science in Nutrition and Dietetics for Transfer degree, a student must complete 60 semester units that are eligible for transfer to the CSU system that consist of the IGETC pattern or CSU GE breadth and a major of 18 units more. Students must have a minimum GPA of 2.0 in all CSU-transferable coursework to receive an associate degree for transfer and all courses in the major must be completed with a C or better. Students earning an associate degree for transfer will not be required to complete any other local graduation requirements. In order to earn one of these degrees, students must complete 60 required semester units of CSU transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree (unless the major is a designated “high-unit” major).

**Career Opportunities**

The AS transfer degree provides students with the foundational knowledge and common core of lower division courses required to transfer and pursue a baccalaureate degree in nutrition/dietetics and to further prepare for careers as registered dietitian nutritionists (RDN). There are many career opportunities for registered dietitians. They work in a variety of settings such as hospitals, long-term care facilities, school districts, community organizations, and corporations.

**Required Core:**

HS 013	General Nutrition .....	3
PSY 001	General Psychology .....	3
CH 001A	General Chemistry I .....	5
CH 001B	General Chemistry II .....	5
BI 015	General Microbiology .....	5

**List A**

SOC 003	Fundamentals of Statistics .....	3
---------	----------------------------------	---

**List B**

HS 014	Principles of Food .....	3
--------	--------------------------	---

CSU General Education or IGETC Pattern<sup>1</sup>: ..... 37 - 39

Transferable Electives<sup>2</sup> (as needed to reach 60 transferable units)

**DEGREE TOTAL .....** 60

<sup>1</sup> Units for the major may be double counted for CSU GE or IGETC, confer with Counselor.

<sup>2</sup> Elective units to reach 60 unit total must be CSU transferable, confer with Counselor.

4. **PERSONAL TRAINER CERTIFICATION Certificate of Achievement**

The Personal Trainer Certificate program provides students with the skills and knowledge needed to prepare them for employment within the fitness industry. Students will gain an understanding of the physiology of exercise, fitness assessment procedures and methodologies, sports nutrition, treating activity-related injuries, and designing exercise programs. The program includes a hands-on experience with an exercise population. This certification also prepares students for industry standard personal trainer examinations.

**Career Opportunities**

Local gyms, fitness centers, resorts, and country clubs working as a personal trainer.

**Core Requirements**

KINE 007	Techniques of Exercise Leadership .....	3
KINE 095	Exercise Science .....	2
KINE 095A	Kinesiology Work Experience .....	1 - 8

**Select 3 of the following courses:**

KINE 039	TRX and Kettlebell Training .....	1
KINE 041	Core Conditioning .....	1
KINE 046	Endurance Training (Running/Swimming/Cardio-Respiratory) .....	2
KINE 047	Body Sculpt & Tone .....	1
KINE 072	Pilates Mat Work .....	1
KINE 094	Personal Fitness .....	1
KINE 096	Weight Training .....	1
KINE 098	Yoga .....	1
KINE 099	Power Yoga .....	1

**CERTIFICATE TOTAL .....** 16 – 23

**C. Program Modifications**

1. **MUSICAL THEATRE Certificate of Achievement**

Musical theatre actors must be able to effectively interpret scripts and songs while also being well versed in a variety of dance styles. This certificate allows students to explore interdisciplinary skills required for success in the field, to understand professional ethics and to prepare themselves for the rigorous physical and emotional demands of a musical theatre career.

**Career Opportunities**

Careers in musical theatre include performer, educator, director, choreographer and stage manager.

**Required Courses: 9 units**

	MUS 007	History of Musical Theatre .....	3
<b>ADD</b>	<b>Or TA 007</b>	<b>History of Musical Theatre .....</b>	<b>3</b>
	TA 002	Acting I .....	3
	TA 003	Acting II .....	3

**Select 2 courses from the following: 4 units**

	MUS 022A	Voice I .....	2
	MUS 022B	Voice II .....	2
	MUS 022C	Voice III .....	2
<b>ADD</b>	<b>MUS 023</b>	<b>Commercial Vocal Styles .....</b>	<b>2</b>

**Select from the following courses: 2 units**

	DANC 076	Dance, Ballet .....	2
	<b>OR</b>		
	DANC 073	Dance, Jazz .....	1
	<b>And DANC 075</b>	<b>Dance, Tap .....</b>	<b>1</b>

**Select from the following courses: 3 units**

	MUS 086	Musical Theatre Performance .....	3
	<b>OR</b>		
<b>ADD</b>	<b>TA 096</b>	<b>Musical Theatre Performance .....</b>	<b>3</b>

**OR**

	MUS 084	Musical Theatre Performance .....	1
	<b>And MUS 085</b>	<b>Musical Theatre Performance .....</b>	<b>2</b>

**OR**

<b>ADD</b>	TA 094	Musical Theatre Performance .....	1
	<b>And</b> TA 095	Musical Theatre Performance .....	2
<b>CERTIFICATE TOTAL .....</b>			<b>18</b>

**2. PHILOSOPHY Associate in Arts for Transfer Degree (AA-T)**

Philosophy, which can be called “the science of the Big Picture”, is the systematic study of concepts such as knowledge, truth, reality, logic and rationality, ethics and morality, justice, beauty, mind, and God. Philosophy is concerned with posing and answering questions as difficult and varied as, What is truth?, Could each person have her own truth?, What is the relation of formal logic to ordinary reasoning?, How should human beings live their lives?, How does our familiar human world of thoughts, sensations, and feelings fit into the larger world that is described by the natural sciences? Can there be human actions that are morally right (or wrong) independently of a society’s judgment?, Does beauty exist only in the eye of the beholder?, and finally, Does God exist? Career paths chosen by students pursuing undergraduate studies in philosophy commonly include the foreign service, computer science, and creative writing. Careers in the discipline that generally require graduate-level degrees include college teaching, law, medicine, psychiatry, and social work. The Associate in Arts in Philosophy for Transfer, also called the Philosophy AA-T Degree, prepares students to transfer to CSU campuses that offer bachelor’s degrees in Philosophy. Students earning the Philosophy AA-T Degree will be granted priority for admission as a Philosophy major to a local CSU, as determined by the CSU campus to which the student applies.

This Philosophy AA-T degree requires students to meet both of the following requirements:

- (1) Completion of 60 semester units that are eligible for transfer to the California State University, including both of the following:
  - The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-B).
  - A minimum of 18 semester units in a major or area of emphasis. All courses in the major or area of emphasis must be completed with a grade of "C" or better.
- (2) Obtainment of a minimum grade point average of 2.0.

There are no additional graduation requirements. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

**Career Opportunities**

Career paths chosen by students pursuing undergraduate studies in philosophy commonly include the foreign service, computer science, and creative writing. Careers in the discipline that generally require graduate-level degrees include college teaching, law, medicine, psychiatry, and social work.

**Required Core Courses:**

PHIL 006	Introduction To Philosophy .....	3
PHIL 007	Great Ideas Of The Philosophers .....	3
PHIL 010	General Logic .....	3
PHIL 014	Introduction To Ethics .....	3
PHIL 017	Philosophy of Religion .....	3

**List A - Select one course from the following: 3 Units**

	PHIL 012	Religions of the World .....	3
	PHIL 013	Perspectives On Death And Dying .....	3
	PHIL 018	Philosophy of Science .....	3
<b>ADD</b>	PHIL 003	Introduction to Political Theory .....	3
<b>ADD</b>	<u>or</u> PS 003	Introduction to Political Theory .....	3

CSU General Education or IGETC Pattern*:	37 - 39
Transferable Electives* (as needed to reach 60 transferable units)	
<b>DEGREE TOTAL .....</b>	<b>60</b>

\* Units for the major may be double counted for CSU GE or IGETC, confer with Counselor.

† Elective units to reach 60 unit total must be CSU transferable, confer with Counselor.

**IV. AP 4022 Hours and Units – 1<sup>ST</sup> READING**

**6. Task Force Reports**

- 6.1 Program and Curriculum Development Process and Criteria Update
  - a. C-ID Submission and Alignment

**7. Information/Discussion**

- 7.1 Course Disciplines List Update
- 7.2 ENG-070 or ENG-071 Prerequisite or Advisory
- 7.3 Courses & Programs Proposals in CurricUNET Queues

**8. Good of the Order**

**9. Adjournment**

**NEXT MEETINGS**

***TUESDAY, November 7<sup>th</sup>***

***THURSDAY, November 16<sup>th</sup>***

***TUESDAY, December 5<sup>th</sup>***