



Curriculum Committee

October 3, 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 September 21, 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) G-002 Historical Geology with Laboratory
- 2) KINE-018 Yoga Teacher Training Essentials
- 3) KINE-019 Yoga Teacher Training Progressive Methodologies

Textbook update

- 4) FIRE-006 Hazardous Materials/ICS
- 5) FIRE/NR-010 Wildland Fire Technology
- 6) NR-001 Conservation of Natural Resources
- 7) NR-004 Introduction to Ecosystem Management
- 8) ACR-095A Air Cond/Refrigeration Work Experience
- 9) AGBU-095A Agri-business Work Experience
- 10) AGEH-095A Environmental Horticulture/Turfgrass Work Experience
- 11) AJ-095A Administration/Justice Work Experience
- 12) ANTH-095A Anthropology Work Experience
- 13) ARCH-095A Architecture Work Experience
- 14) ART-095A Art Work Experience
- 15) AUTO-095A Automotive Technology Work Experience
- 16) BI-095A Biology Work Experience
- 17) BUAC-095A Accounting Work Experience
- 18) BUHM-095A Hotel/Restaurant Mgmt. Work Experience

19) BUMA-095A	Business Management Work Experience
20) CART-095A	Culinary Arts Work Experience
21) CIS-095A	Computer Information Systems Work Experience
22) CM-095A	Construction Management Work Experience
23) CS-095A	Computer Science Work Experience
24) DDP-095A	Digital Design Work Experience
25) ECE-095A	Early Childhood Ed Work Experience
26) ENG-095A	English Work Experience
27) ESYS-095A	Energy Systems Technology Work Experience
28) FIRE-095A	Fire Technology Work Experience
29) GOLF-095A	Golf Work Experience
30) HIST-095A	History Work Experience
31) HS-095A	Health Sciences Work Experience
32) HSAD-095A	Human Services/Alcohol Drug Work Experience
33) J-095A	Journalism Work Experience
34) KINE-095A	Kinesiology Work Experience
35) MATH-095A	Math Work Experience
36) MC-095A	Mass Communication Work Experience
37) NR-095A	Natural Resources Work Experience
38) PH-095A	Physics Work Experience
39) PS-095A	Political Science Work Experience
40) PSY-095A	Psychology Work Experience
41) RE-095A	Recreation Work Experience
42) RTV-095A	Radio & TV Work Experience
43) SOC-095A	Sociology Work Experience
44) WEG-095A	Work Experience, General

PERIODIC REVIEW: *Update SLOs, content, text, and assignments*

B. New Courses and Programs and/or Substantive Changes to Courses and Programs/2nd Reading

a. Course Modifications – Substantive Changes

- 1) AUTO-012A Automotive Suspension and Steering Systems
Periodic review & C-ID alignment: *Modify course title, change **from:** Prerequisite: AUTO-010 **to:** Prerequisite: AUTO-010 or concurrent enrollment, update text, content, SLOs and material fees.*
- 2) AUTO-040E CNG Diagnosis & Repair
Periodic review: *Change course designator **from:** AUTO-040D **to:** AUTO-040E; change units **from:** 5.5 (4 lec + 1.5 lab) **to:** 4 (3 lec + 1 lab), change contact hours **from:** 153 (72 lec + 81 lab) **to:** 108 (54 lec + 54 lab); modify course title, major modifications on COR due to changes in certification.*
- 3) AUTO-041B CNG Installation & Repair
Periodic review: *Change course designator **from:** AUTO-041 **to:** AUTO-041B, modify title, major modifications on COR due to changes in certification.*
- 4) CS-007B Computer Science II
*Change units **from:** 4 (3 lec + 1 lab) **to:** 3 (2 lec + 1 lab), change contact hours **from:** 108 (54 lec + 54 lab) **to:** 90 (36 lec + 54 lab); modify SLOs and course content.*

b. New Courses

- 1) AUTO-043B Hybrid, Fuel-Cell and Electric Vehicle Diagnosis & Repair
Prerequisite: AUTO-011B or concurrent enrollment, and AUTO-043A
- 2) PSY-030 Social Psychology
Advisory: ENG-061
COD GE: Area C2 (Social and Behavioral Sciences)

- 3.a) TA-007 History of Musical Theatre (*cross-list with MUS-007*)
- 3.b) MUS-007 *History of Musical Theatre*
Update COR to add cross-listing with new course TA-007

c. New Program

1) COMPUTER SCIENCE AS Degree for Transfer (AS-T)

Required Core Courses:

CS-007A	Computer Science I	4
CS-007B	Computer Science II	3
CS-008	Computer Architecture and Organization	3
MATH-015	Discrete Mathematics for Computers	4
MATH-001A	Calculus	4
MATH-001B	Calculus	4
PH-003A	Engineering Physics	4
PH-003B	Engineering Physics	4
	General Education, IGETC Pattern*	37
	Total units that may be double-counted	(7)
	DEGREE TOTAL	60

*Units for the major may be double counted for IGETC only (not CSU GE), confer with Counselor.

d. Program Modifications

1) HISTORY AA Degree for Transfer (AA-T)

Required Core Courses: (6 Units)

HIST-017	US History through Reconstruction	3
HIST-018	U.S. History from Reconstruction to Present	3

List A: 6 Units

HIST-003	History of World Civilization I	3
ADD or HIST-005	<i>History of Western Civilization I</i>	3
HIST-004	History of World Civilization - II	3
ADD or HIST-006	<i>History of Western Civilization II</i>	3

List B: Select two courses - 1 course from each area: 6 - 8 Units

AREA 1 - Diversity Course (3-5 Units)

	ENG-021	Intro Latin American/Chicano Literature	3
	PS-002	Introduction to Comparative Governments	3
	PS-004	Introduction to International Relations	3
	SOC-014	Introduction to Race And Ethnicity	3
	SOC-015	Mexican American Culture & Society	3
	COMM-017	Intercultural Communication	3
	FR-001	Elementary French I	5
	FR-002	Elementary French II	5
	FR-003	Intermediate French I	4
	FR-004	Intermediate French II	4
	GER-001	Elementary German I	5
	GER-002	Elementary German II	5
DELETE	ITAL-001	Elementary Italian I	5
DELETE	ITAL-002	Elementary Italian II	5
	JPN-001	Elementary Japanese I	5
	JPN-002	Elementary Japanese II	5
	SPAN-001	Elementary Spanish I	5
	SPAN-002	Elementary Spanish II	5
	SPAN-003	Intermediate Spanish I	4
	SPAN-004	Intermediate Spanish II	4

AREA 2 - History Courses (3 Units)

	HIST-021	California History	3
	ANTH-002	Cultural Anthropology	3
	ADD HIST-023	<i>Latin American History</i>	3

ADD HIST-050	American Popular Culture	3
ADD GS-010	Introduction to Global Studies	3
CSU General Education or IGETC Pattern*:		37 - 39
Transferable Electives ⁺ (as needed to reach 60 transferable units)		
DEGREE TOTAL		60

* 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.

2) POLITICAL SCIENCE AA Degree for Transfer (AA-T)

Required Core Courses: 6-7 Units

PS-001	Introduction to Government	3
SOC-003	Fundamentals of Statistics	3
or MATH-014	Statistical Methods	4

List A - Select two courses from the following: 6 Units

PS-002	Introduction to Comparative Governments	3
PS-003	Introduction to Political Theory	3
PS-004	Introduction to International Relations	3

List B - Select two from the following: 6 Units

	ANTH-002	Cultural Anthropology	3
	ECON-001	Principles of Macroeconomics	3
DELETE	GEOG-002	Cultural Geography	3
	HIST-017	US History through Reconstruction	3
DELETE	HIST-018	US History from Reconstruction to Present	3
	PS-005	The American Presidency	3
DELETE	PSY-001	General Psychology	3
DELETE	SOC-001	Introductory Sociology	3

CSU General Education or IGETC Pattern ¹ :		37 - 39
Transferable Electives ² (as needed to reach 60 transferable units)		
DEGREE TOTAL		60

¹ Units for the major may be double counted for CSU GE or IGETC, confer with Counselor.
² Elective units to reach 60 unit total must be CSU transferable, confer with Counselor

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

III. COURSES AND PROGRAMS – 1ST READING

A. Course Modifications:

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

B. New Courses

1. CSFM-076 Low Angle Rescue Operational
2. DDP-003A Digital Imaging I
3. ESYS-021 Residential Energy Modeling
Prerequisite: ACR-075 & BIT-024; Advisory: ESYS-004, ESYS-005, & ARCH-011
4. ESYS-022 Residential Energy Modeling Design Project
Prerequisite: ESYS-021
5. ESYS-033 Residential House Electrical Wiring
Advisory: ESYS-002, & ESYS-004
6. ESYS-035 Advanced Lighting Controls
Advisory: ESYS-002, & ESYS-005
7. FIRE-001A Principles of Emergency Services 1A
Advisory: ENG-070
8. FIRE-001B Principles of Emergency Services 1B
Prerequisite: FIRE-001A; Advisory: ENG-070

C. New Programs

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.
3. Show the ability to work well with multiple building trade disciplines.

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
CERTIFICATE TOTAL.....		25

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.
3. Show the ability to work well with multiple building trade disciplines

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
CERTIFICATE TOTAL.....		26

6. Task Force Reports

- 6.1 AP 4022 Hours and Units
- 6.2 Program and Curriculum Development Process and Criteria

7. Information/Discussion

- 7.1 Course Disciplines List Update
- 7.2 Courses & Programs Proposals in CurricUNET Queues

8. Good of the Order

9. Adjournment

NEXT MEETINGS

THURSDAY, October 19th

TUESDAY, November 7th

THURSDAY, November 16th

TUESDAY, December 5th