COLLEGE of the DESERT

2016–2017 Catalog Addendum 1
August 2016

The College of the Desert Catalog Addendum represents course and program revisions made since the last publication of the Catalog. Included in this Addendum are new and modified certificates and degrees, new courses, and updated list of Faculty and Administration. This Addendum also includes corrections to the 2016-2017 Catalog. These changes replace what is printed in the current Catalog and are effective as of the Fall 2016. Instructions for understanding this addendum are as follows: underline indicates new material, strikethrough indicates a deletion.

Changes to page 49 – Student Right-To-Know Disclosure

In compliance with the Student Right-to-Know and Campus Security Act of 1990, it is the policy of the Desert Community College District to make available its completion and transfer rates to all current and prospective students.

Beginning in Fall ~~2011~~ 2012, a cohort of all certificate-, degree-, and transfer seeking first-time, full-time students were tracked over a three-year period. Their completion and transfer rates are listed below. These rates do not represent the success rates of the entire student population at the College of the Desert, nor do they account for all student outcomes occurring after this three-year tracking period.

Completion Rate: ~~22.51%~~ **29.13%**

Based upon the cohort defined above, a Completer is a student who attained a certificate or degree or became 'transfer prepared' during a three year period, from Fall ~~2011~~ 2012 to Spring ~~2014~~ 2015. Students who have completed 60 transferable units with a GPA of 2.0 or better are considered 'transfer-prepared'.

Transfer Rate: ~~12.94%~~ **9.49%**

Based upon the cohort defined above, students who transferred to another post-secondary institution, prior to attaining a degree, certificate, or becoming 'transfer-prepared' during a five semester period, from Spring ~~2012~~ 2013 to Spring ~~2014~~ 2015, are transfer students. More information about Student-Right-to-Know rates and how they should be interpreted can be found at the California Community Colleges Chancellor's Office, "Student Right-to-Know" website.

Programs of Study

NEW PROGRAMS effective Fall 2016

A.S. IN BIOLOGY FOR TRANSFER DEGREE (AS-T)*
(This degree is replacing the Biology A.S. Degree and transfer preparation listed on 2016-17 COD Catalog, page 132.)

The Associate in Science in Biology for Transfer Degree, also called the Biology AS-T, is designed to prepare students for a seamless transfer with junior status to a CSU campus in a program or major in Biology for completion of a baccalaureate degree. Upon successful completion of courses leading to the Biology AS-T Degree the student will be able to know and understand Biology concepts, skills and applications to attain upper division status in Biology at any CSU institutions.

This Biology AS-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 are advised to consult with a counselor to verify transfer requirements.

Advisors: Robert Rosteck, rrosteck@collegeofthedesert.edu; 760-776-7284
Alexa Sawa, asawa@collegeofthedesert.edu; 760-776-7276
Anthony Tesch, atesch@collegeofthedesert.edu; 760-776-7274

Required Courses:

BI-005	Molecular and Cell Biology	5
BI-006	Biology of Organisms	5
CH-001A	General Chemistry I	5
CH-001B	General Chemistry II	5
MATH-001A	Calculus	4
MATH-001B	Calculus	4

PH-002A *and*	College Physics I	4
PH-002B	College Physics I	4
OR		
PH-003A *and*	Engineering Physics (4)	
PH-003B	Engineering Physics 4)	

Total Units for Major	36
General Education Pattern[1] (CSU-GE or IGETC for STEM) Units	31-33
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 for STEM, confer with Counselor.
[2] Elective units to reach 60-unit total must be CSU transferable, confer with Counselor.

* Please refer to Associate Degree for Transfer (SB 1440) listed on 2016-17 COD Catalog, page 51.

A.S. IN CHEMISTRY FOR TRANSFER DEGREE (AS-T)*
(This degree is in addition to the Chemistry A.S. Degree and transfer preparation listed on 2016-17 COD Catalog, page 133.)

The **Associate in Science in Chemistry for Transfer Degree**, also called the *Chemistry AS-T Degree,* is designed to prepare students for a seamless transfer with junior status to a CSU campus in a program or major in Chemistry for completion of a baccalaureate degree. Upon successful completion of courses leading to the *Chemistry AS-T Degree* the student will be able to know and understand Chemistry concepts, skills and applications to attain upper division status in Chemistry at any CSU institutions.

This 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.

The Chemistry AS-T degree requires students to complete 60 CSU transferable units including completion of IGETC for STEM *and* 36 units in the major with a cumulative GPA of 2.0 or better. Units for the major may be double counted for IGETC for STEM only (not CSU GE). The IGETC for STEM requires a student to complete their general education pattern by taking an additional 6 units after transfer. There are no additional graduation requirements. Students are advised to consult with a counselor to verify transfer requirements.

Advisors: Joana Ciurash, jciurash@collegeofthedesert.edu; 760-776-7277
Robert Guinn, rguinn@collegeofthedesert.edu; 760-862-1363
Christine Melton, cmelton@collegeofthedesert.edu; 760-674-7639

Required Courses:

CH-001A	General Chemistry I	5
CH-001B	General Chemistry II	5
CH-010A	Organic Chemistry I	5
CH-010B	Organic Chemistry II	5
MATH-001A	Calculus	4
MATH-001B	Calculus	4
PH-003A	Engineering Physics	4
PH-003B	Engineering Physics	4

Total Units for Major	36
General Education Pattern, IGETC for STEM[1]	31
DEGREE TOTAL	60

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

* Please refer to Associate Degree for Transfer (SB 1440) listed on 2016-17 COD Catalog, page 51.

A.S. IN GEOLOGY FOR TRANSFER DEGREE (AS-T)*
(This degree is replacing the Geology A.S. Degree and transfer preparation listed on 2016-17 COD Catalog, page 134.)

The **Associate in Science in Geology for Transfer Degree**, also called the *Geology AS-T Degree*, is designed to prepare students for a seamless transfer with junior status to a CSU campus in a program or major in Geology for completion of a baccalaureate degree. Upon successful completion of courses leading to the *Geology AS-T Degree* the student will be able to know and understand Geology concepts, skills and applications to attain upper division status in Geology at any CSU institution.

This Geology AS-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.

Advisor: Nancy Moll, nmoll@collegeofthedesert.edu; 760-776-7272

Required Core Courses:

G-001	Physical Geology	4
G-002	Historical Geology with Laboratory	4
CH-001A	General Chemistry I	5
CH-001B	General Chemistry II	5
MATH-001A	Calculus...	4
MATH-001B	Calculus...	4

Required Subtotal	26
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.

   *Please refer to Associate Degree for Transfer (SB 1440) listed on 2016-17 COD Catalog, page 51.

A.A. IN PHILOSOPHY FOR TRANSFER DEGREE (AA-T)*
(This degree is replacing the Philosophy A.A. Degree and transfer preparation listed on 2016-17 COD Catalog, page 137.)

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.

Advisor: Michael Smith, msmith@collegeofthedesert.edu; 760-776-7404

Required Courses: (15 units)

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 (3-units)

PHIL-012	Religions of the World	3
PHIL-013	Perspectives on Death and Dying	3
PHIL-018	Philosophy of Science	3

Required Subtotal	18
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.

*Please refer to Associate Degree for Transfer (SB 1440) listed on 2016-17 COD Catalog, page 51.

PROGRAM REVISIONS effective Fall 2016

ADMINISTRATIVE OFFICE ASSISTANT CERTIFICATE OF ACHIEVEMENT

This course of study prepares the student with basic competencies for an entry level office clerk whether or not the individual has previous office experience. This certificate of achievement is designed to provide a foundation of introductory but essential office skills for individuals who are considering a career in office administration or for those who require computer, communication, and business orientation skills to increase employability in a variety of fields. Those complete the Administrative Office Assistant Certificate may continue to the Administrative Office Professional Certificate.

Advisor: Félix Marhuenda-Donate, fmarhuenda@collegeofthedesert.edu; 760-773-2523

Required Courses:

CIS-005	Computer Survival Skills	2
CIS-006	Business Research	1
CIS-010	Computer Literacy	4
CIS-012	Professional Office Procedures	3
	Accounting Electives - Select one course:	3
BUAC-010	Accounting with Quick Books (3)	
BUAC-050	Accounting/Bus. Environment (3)	
BUAC-066	Fundamentals of Bookkeeping (3)	

Computer Applications - Select ~~one course~~ at least three units: 3-4
Add CIS-003   Introduction to Microsoft Word (1)
Add CIS-004   PowerPoint (1)
      CIS-011   Current Topics/Technology (3)
      CIS-017   ~~Records~~ Business Data Management with Microsoft Access (4)
      CIS-020   Integrated Office Technology (4)
      CIS-072D   Excel (3)
      CIS-082C   Web Publishing I (3)

Business Electives - Select at least two units 2-3
      BUMA-001   Principles of Management (3)
      BUMA-028   Small Business Dev/Mgmt (3)
      BUMA-031   Business Calculations (3)
      BUMA-032   Human Relations/Workplace (3)
      BUMA-094   Business Communications (3)
      CIS-095A   CIS Work Experience *(Maximum of 3 units may be used for work experience)*
  or BUAC-095A   Accounting Work Experience
  or BUMA-095A   Management Work Experience

Required Courses 10
Accounting Electives.. 3
Computer Applications Electives 3-4
Business Electives 2-3
CERTIFICATE TOTAL 18-20

ADMINISTRATIVE OFFICE PROFESSIONAL CERTIFICATE OF ACHIEVEMENT

This course of study equips the student with the range of skills necessary to perform the duties of an entry level administrative assistant in today's technological office. Completers master skills in communication, bookkeeping, office skills, and an essential selection of intermediate computer applications for business. Those complete the Administrative Office Professional Certificate may continue to a degree in Business or in Liberal Arts with an emphasis on Business and Technology.
Advisor: Félix Marhuenda-Donate, fmarhuenda@collegeofthedesert.edu; 760-773-2523

Required Courses:
      CIS-005   Computer Survival Skills 2
      CIS-006   Business Research 1
      CIS-010   Computer Literacy 4
      CIS-012   Professional Office Procedures 3
      CIS-020   Integrated Office Technology 4
Add   *or* CIS-017   Business Data Management with Microsoft Access (4)
      BUMA-094   Business Communications 3

Accounting Electives - Select one course: 3
      BUAC-010   Accounting with Quick Books (3)
      BUAC-050   Accounting/Bus. Environment (3)
      BUAC-066   Fundamentals of Bookkeeping (3)

Computer Applications - Select ~~two courses~~ at least six units: 6-7
Add CIS-003   Introduction to Microsoft Word (1)
Add CIS-004   PowerPoint (1)
      CIS-011   Current Topics/Technology (3)
      CIS-017   ~~Records~~ Business Data Management with Microsoft Access (4)
      CIS-020   Integrated Office Technology (4)
      CIS-072D   Excel (3)
      CIS-082C   Web Publishing I (3)

Business Electives - Select three units 3
      BUMA-001   Principles of Management (3)
      BUMA-028   Small Business: Development & Management (3)

BUMA-031	Business Calculations (3)
BUMA-032	Human Relations in the Workplace (3)
CIS-095A	CIS Work Experience *(Maximum of 3 units may be used for work experience)*
or BUAC-095A	Accounting Work Experience
or BUMA-095A	Management Work Experience

Required Courses 17
Accounting Electives 3
Computer Applications Electives 6-7
Business Electives 3
CERTIFICATE TOTAL 29-30

BASIC FIRE FIGHTER CERTIFICATE OF ACHIEVEMENT

Basic Fire Fighter Certificate of Achievement provides individuals with the knowledge and skills to safely perform, under minimal supervision, essential and advanced fire ground tasks. These shall include basic rescue operations, auto extrication, basic fire suppression, prevention and investigation, a basic knowledge of the "Incident Command System" and an introduction to the potential dangers of hazardous materials. In addition, students will learn to use, inspect and maintain various types of firefighting and rescue equipment. Completion of this Certificate satisfies the manipulative and academic training requirements as established by the State Fire Marshal to become certified as a Fire Fighter I.
Advisor: Allen Scott Ventura, asventura@collegeofthedesert.edu; 760-636-7996

Required Courses:
FIRE BFFA-063A   Basic Fire Fighter I Academy (Part 1)...9.75
FIRE BFFA-063B   Basic Fire Fighter I Academy (Part 2)...8.75

CERTIFICATE TOTAL 18.50

COMPUTER INFORMATION SYSTEMS A.S. DEGREE
for employment preparation

Computer information systems (CIS) is the study of the tools and techniques used to effectively and efficiently transform raw data into useful information.

Career paths chosen by students pursuing undergraduate studies in CIS commonly include office administration, general business, web design, software installation and maintenance, software quality control, database management, electronic bookkeeping, network administration and customer support.

Careers in the discipline that generally require higher level degrees include programming, system analysis, database design, network design and administration, and security management.

Even students who choose not to major in CIS find that coursework in the field can improve their ability to think analytically, solve problems, organize thoughts and information, and utilize new technology more efficiently and effectively.

Our discussions with industry representatives indicate that in today's world employers expect and demand a certain minimum of computer skills as a given, much as they expect an employee to be able to read, write, and use basic math. College of the Desert's CIS curriculum includes course offerings that provide a general overview of the discipline, as well as courses dealing with more advanced software concepts, and tools used in the business environment.

The College offers appropriate certificates and degrees in computer information systems. In addition to the immediate employment benefits of certificates and associate degrees, coursework at College of the Desert prepares the way for further study at the Baccalaureate level within the California State Universities and University of California systems, and other colleges nationwide.

Advisor: Félix Marhuenda-Donate, fmarhuenda@collegeofthedesert.edu; 760-773-2523

Required Courses: 5-6 units
CIS-006	Business Research 1
or LIS-001	An Intro to Basic Research Skills (2)
CIS-010	Computer Literacy 4

Computer Applications - Select 18 units from the following:

Add	CIS-003	Introduction to Microsoft Word	1
Add	CIS-004	PowerPoint	1
	CIS-005*	Computer Survival Skills	2
	CIS-011	Current Topics/Technology	3
	CIS-012	Professional Office Procedures	3
	CIS-017	~~Records~~ Business Data Management with Microsoft Access..........................	4
	CIS-020	Integrated Office Technology	4
	CIS-072D	Excel	3
	CIS-082C	Web Publishing I	3
	CIS-085C	Web Programming	3
	CIS-086	Visual Basic Programming	3

Required Electives - Select 19 units from the following:

BUAC-020A	Financial Accounting	4
BUAC-066	Fundamentals of Bookkeeping	3
BUMA-001	Principles of Management	3
BUMA-010	Intro to Business..	3
BUMA-020A	Business Law	3
BUMA-027	Marketing	3
BUMA-028	Small Business: Development & Management	3
BUMA-031	Business Calculations	3
BUMA-032	Human Relations	3
BUMA-094	Business Communications	3
CIS-081A	Computer Graphics 1A	3
CIS-081B	Computer Graphics 1B	3
CIS-083D	Computer Graphics 2	3
CIS-95A	CIS Work Experience (maximum of 4 units may be used for work experience)...................	1-8
or BUAC-95A	Accounting Work Experience..	1-8
or BUMA-95A	Management Work Experience	1-8

Required Courses	5-6
Computer Applications	18
Required Electives	19
COD General Education Pattern	18
Kinesiology Activities	2
DEGREE TOTAL	62-63

* No credit for CIS 5 if taken after CIS 10.

FITNESS SPECIALIST CERTIFICATE OF ACHIEVEMENT

The Fitness Specialist Certificate is the study of basic principles and techniques to effectively prepare the students in the field of personal training, exercise leadership and corporate fitness. COD's fitness specialist certificate curriculum includes course offerings that provide a general overview of principles and theories of kinesiology, exercise science, fitness prescription and evaluation, nutritional and weight management design.

Advisors: Wendy Ansley, wansley@collegeofthedesert.edu; 760-776-7203
Courtney Doussett, cdoussett@collegeofthedesert.edu; 760-776-7339

Required Courses: 20 units

	KINE-001	First Aid and Safety..	3
	KINE-003	Athletic Training I	3
	KINE-007	Techniques of Exercise Leadership	3
	KINE-008	Introduction to Kinesiology..	3
Add	KINE-009	Essentials for Fitness Professionals...	2
	KINE-095	Exercise Science	2
Add	KINE-095A	Kinesiology Work Experience (Maximum of 1 unit may be used for work experience)...........	1
	HS-013	General Nutrition	3
Delete	~~RE-010B~~	~~Recreation Field Work/Internship~~..	~~2~~

Fitness Courses: (2 units chosen from the following courses).. 2

KINE-039	TRX and Kettlebell Training (1)	
KINE-040	Aerobics, Total Body Fitness (1)	
KINE-041	Core Conditioning (1)	
KINE-046	Endurance Training (~~1~~ 2)	
KINE-047	Body Sculpt and Tone (1)	
KINE-068	Jogging, Powerwalking, and Running (1)	
KINE-069	Biomechanics of Running (1)	
KINE-071	Kickboxing Aerobics (1)	
KINE-072	Pilates Mat Work (1)	
KINE-073	Pilates for Dance (1)	
KINE-077	Self-Defense/Fitness (1)	
KINE-083	Swimming and Running for Triathletes (1)	
KINE-084	Aquatic Crosstraining (1)	
KINE-093	Water Fitness (1)	
KINE-098	Yoga (1)	
KINE-099	Power Yoga (1)	

CERTIFICATE TOTAL ....~~21~~.. 22

MATHEMATICS A.S. DEGREE and transfer preparation

Mathematics is the study of quantity, structure, space and change. It is developed through the use of abstraction and logical reasoning from counting, calculations, measurement, study of shapes & change.

Required Courses:

MATH-001A	Calculus..~~5~~.. 4
MATH-001B	Calculus..~~5~~.. 4
MATH-002A	Multivariate Calculus.......................~~5~~.. 4
MATH-002B	Linear Algebra.. 4
or MATH-002C	Ordinary Differential Equations 4
PH-003A	Engineering Physics 4
PH-003B	Engineering Physics 4
CS-007A	Computer Science I 4

Required Subtotal ....~~31~~................................28
COD General Education (confer with Counselor)... 18
Transferable Electives (with Advisor approval) ....~~9~~ 12
Kinesiology Activities 2
DEGREE TOTAL 60

NEW COURSES

BIT-024   CALIFORNIA ENERGY CODES   Units: 3

This course covers California's Building Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24, Part 6), which establishes a minimum level of building energy efficiency to ensure that building construction, system design, and installation achieves energy efficiency and preserves the quality of both indoor and outdoor environments. It emphasizes the understanding and application of the Building Energy Efficiency Standards and supporting documents, the Reference Appendices, Residential Compliance Manual, and the Nonresidential Compliance Manual.

Lecture Hours: 54	Lab Hours: 0	Repeatable: No	Grading: L

Advisory: ENG-070 and MATH-060

Transfer Status: CSU		Degree Applicable: AA/AS
COD GE: None	CSU GE: None	IGETC: None

COMM-021   INTRODUCTION TO PERSUASION   Units: 3

This course examines historical and contemporary approaches to persuasive messages throughout time. The primary goal of this course is to provide students with a solid grounding in theories, principles, and strategies of social influence as they relate to everyday life. It will also focus on the presentation of persuasive appeals, and learning to construct, deliver, and critique persuasive messages.

Lecture Hours: 54	Lab Hours: 0	Repeatable: No	Grading: L

Advisory: ENG-001A

Transfer Status: CSU		Degree Applicable: AA/AS
COD GE: None	CSU GE: None	IGETC: None

COMM-030   FORENSICS   Units: 2

This course prepares students for intercollegiate speech and debate tournaments. Studies include argumentation, public address, and oral interpretation of literature. Involves research, writing, and one-on-one direction. Requires participation at interscholastic competitions. May be taken for a total of four times for credit.

Lecture Hours: 18	Lab Hours: 54	Repeatable: Yes	Grading: L

Advisory: COMM-001 and ENG-001A

Transfer Status: CSU		Degree Applicable: AA/AS
COD GE: None	CSU GE: None	IGETC: None

ESYS-005   ZERO NET ENERGY BUILDING SCIENCE   Units: 4

Zero Net Energy (ZNE) Building Science includes an overview of many progressive measures that improve the energy performance of buildings. Studies focus on architectural design of building, construction methodology, green HVAC systems, renewable energy systems and the terminology used in the ZNE Industry. A survey of projects, policies and programs driving ZNE performance in residential and non-residential buildings will be studied.

Lecture Hours: 72	Lab Hours: 0	Repeatable: No	Grading: Letter

Advisory: ESYS-004 and ENG-070

Transfer Status: None		Degree Applicable: AA/AS
COD GE: None	CSU GE: None	IGETC: None

ESYS-006   FUNDAMENTALS OF BUILDING COMMISSIONING   Units: 3

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 introductory course 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.

Lecture Hours: 45	Lab Hours: 27	Repeatable: No	Grading: Letter

Prerequisite: ACR-090 or concurrent enrollment *and* ARCH-011

Advisory: ACR-075 and ESYS-004

Transfer Status: None		Degree Applicable: AA/AS
COD GE: None	CSU GE: None	IGETC: None

ESLN-390A   ESLN - PRONUNCIATION & VOCABULARY 1   Units: 0

This noncredit course is designed to help high-beginning to low-intermediate level students to better communicate orally through practice in recognition and production of the sounds, syllables, stress, and intonation of Standard American English words. In addition, students will learn about word meaning and usage and receive help with common errors for conversation purposes. Emphasis is placed on developing confidence in oral production through enhanced clarity of communication as well as vocabulary acquisition.

Lecture Hours: 48	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass

Prerequisite: ESLN-310A, or appropriate ESLN Placement Test, or Instructor recommendation

Transfer Status: None		Degree Applicable: NONC
COD GE: None	CSU GE: None	IGETC: None

Addition:

MARIA AVALOS (2016)
Instructor, Early Childhood Education

AMBER BLACK (2016)
Instructor, Sociology/Statistics

HORACE CROGMAN (2016)
Instructor, Physics

VICTORIA CURRY (2016)
Counselor, DSPS

VERONICA DAUT (2016)
Counselor

SALLY S. KALPAKOFF (2016)
Instructor, Mathematics

MONICA LOPEZ (2016)
Counselor

CARLOS MALDONADO (2016)
Interim Dean, Enrollment Services

ANGEL MERAZ (2016)
Counselor, Athletics

MATTHEW NEVES (2016)
Instructor, Theater

THOMAS O'GRADY (2016)
Instructor, American Sign Language

JORGE A. PEREZ (2016)
Instructor, Mathematics

JOSE PABLO ROMERO (2016)
Instructor, Computer Information Systems

CHRISTINE SCHAEFER (2016)
Counselor

MICHAEL SILVEIRA (2016)
Instructor, Biology

ADAM UHLHORN (2016)
Counselor, DSPS

EDUARDO VACA (2016)
Instructor, Horticulture

Change in Title:

KELLY HALL (2008)
~~Associate Professor, Business~~ Interim Dean, School of Arts and Sciences