



2015–2016 Catalog Addendum 2

November 2015

The College of the Desert Catalog Addendum represents course and program revisions made since the last publication of the Catalog. This Addendum also includes corrections to the 2015-2016 Catalog. These changes replace what is printed in the current Catalog and are effective as of the Spring 2016 semester. Instructions for understanding this addendum are as follows: underline indicates new material, ~~strikethrough~~ indicates a deletion.

Programs of Study

NEW CERTIFICATE OF ACHIEVEMENT effective Spring 2016

FIELD RANGER CERTIFICATE OF ACHIEVEMENT

The Field Ranger Certificate prepares students for jobs as docents, volunteers, or paid employees working with a variety of local, state, federal and tribal agencies. Students successfully completing this certificate may find entry-level positions in various natural resources specializations, such as:

- State, Tribal, B.L.M. or National Park Ranger
- U.S. Forest Service or Calif. Dept. of Forestry Firefighter
- Fish and Wildlife Game Warden
- Ecological Consultant
- Zookeeper of Museum Worker
- Lab Technician
- Ecosystem Manager
- Environmental Educator
- Ecotourism Industry

The Field Ranger Certificate is intended to prepare students to directly enter the conservation field in various capacities. Students who achieve this certificate will become familiar with a broad range of ranger skills and techniques as well as ecological topics that are applicable anywhere but are also pertinent to the Southwest and the local desert environment. There are no prerequisite skills or limitations on enrollment required for this certificate.

Required Courses:

NR 1	Conservation of Natural Resources.....	3
NR 1L	Conservation of Natural Resources Laboratory.....	1
NR 3	Introduction to Wildlife Management	3
<u>or</u> NR 4	Introduction to Ecosystem Management (3)	
NR 17	Natural Resources Law Enforcement	3
<u>or</u> AJ 17	Natural Resources Law Enforcement (3)	
NR 20	GPS and Map Use.....	1
NR 21	Introduction to GIS.....	3
NR 95A	Natural Resources Work Experience	1
NR 41A	Native Plants – Mountain	1
<u>or</u> NR 41B	Native Plants – Desert (1)	
NR 58	Reptiles of the Coachella Valley.....	1
NR 50	Winter Birds.....	1
<u>or</u> NR 51A	Migrant Birds – Fall (1)	
<u>or</u> NR 51B	Migrant Birds – Spring (1)	
NR 10	Wildland Fire Technology.....	3
<u>or</u> FIRE 10	Wildland Fire Technology (3)	
KINE 1	First Aid and Safety.....	3
CERTIFICATE TOTAL	24

Advisor: Kurt Leuschner, kleuschner@collegeofthedesert.edu; 760-776-7285

PROGRAM REVISIONS effective Spring 2016

**ADVANCED TRANSPORTATION TECHNOLOGIES A.S. DEGREE
for employment preparation**

Required Courses:

AUTO 10	Intro Automotive Technology.....	4.0
AUTO 11B	Automotive Electronics/Electrical Systems.....	4.0
AUTO 11C	Advanced Automotive Electrical Systems	5.0
AUTO 14A	Automotive Engine Management.....	4.0
AUTO 21A	Automotive Diagnosis & Troubleshooting	2.0
AUTO 40D	CNG/LPG Diagnosis & Repair	5.5
AUTO 43A	Hybrid, Fuel-Cell & Electric Technology.....	3.0
AUTO 45A	Intro to Alternative Fuel Vehicles	2.0
AUTO 92A	Bio-diesel Characteristic, Use & Production.....	2.0
AUTO 95B	Automotive Work Experience	2.0
AUTO 99	Automotive/Advanced Transportation Summation.....	1.0

Elective Courses - 8 units from the following:

	AUTO 14B	Advanced Engine Management.....	5
	AUTO 16	Manual Drive Train & Axles	4
	AUTO 17	Automatic Transmissions & Transaxles	4
	AUTO 18	Automotive Heating & Air Conditioning.....	4
	AUTO 30A	Consumer Auto Technology	3
	AUTO 41	CNG/LPG Conversion/Installation	3
	AUTO 54C	Basic & Advanced Clean Air Car Course	7
Add	AUTO 93A	Intro to Light and Medium Duty Diesel Systems.....	2
Add	AUTO 93B	Light/Medium Duty Diesel Systems.....	4
Add	AUTO 93C	Advanced Light/Medium Duty Systems.....	4
Add	AUTO 93D	Diesel Diagnostics and Troubleshooting.....	2
	AUTO 95A,B+	Automotive Work Experience (In addition to required).....	1-2
	ACR 60	Air Conditioning/Refrigeration I	3
	ACR 64	Air Conditioning/Refrigeration Electricity I.....	3
	BUMA 94	Business Communications	3
	WELD 10	Oxy-Acetylene Gas Welding	3

Required Courses	34.5
Elective Courses (with Advisor approval).....	8
COD General Education Pattern.....	18
Kinesiology (PE) Activities	2
DEGREE TOTAL	62.5

Advisor: Dorothy Anderson, doanderson@collegeofthedesert.edu; 760-776-7368

Courses of Instruction

NEW COURSES

AUTO-093A INTRO TO LIGHT AND MEDIUM DUTY DIESEL SYSTEMS Units: 2

This course is designed as an introduction to light duty diesel systems. Students will explore the operation and function of the key systems related to compression ignition engines. Students will learn safety of a repair shop, vehicles, and of environmental impact. Students will gain knowledge of diesel engine design, engine oil types, correct application, diesel emission systems, and fuel delivery systems.

Lecture Hours: 36 Lab Hours: 0 Repeatable: No Grading: L

Advisory: ENG-070

Transfer Status: None Degree Applicable: AA/AS

COD GE: None CSU GE: None IGETC: None

AUTO-093B LIGHT/MEDIUM DUTY DIESEL SYSTEMS Units: 4

This course provides theory and hands-on experience in the fundamentals of light and medium duty diesel systems including: engine construction, lubrication, cooling, fuel delivery, and emission systems. In addition, this course covers maintenance and light repair.

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

Advisory: ENG-070 and AUTO-010

Transfer Status: None Degree Applicable: AA/AS

COD GE: None CSU GE: None IGETC: None

AUTO-093C ADVANCED LIGHT/MEDIUM DUTY SYSTEMS Units: 4

This course provides theory and hands-on experience in intermediate to advanced light/medium duty diesel system management including: fuel injection, electronic systems, emission controls, OBDII, as well as service and maintenance, diagnosis and repair of diesel system management malfunctions. The focus is then placed on advanced engine management components and systems including: computer inputs, outputs and control and OBDII logic with an emphasis on troubleshooting, diagnosis and repair of advanced diesel system management malfunctions.

Lecture Hours: 36 Lab Hours: 108 Repeatable: No Grading: L

Prerequisite: AUTO-093B

Transfer Status: None Degree Applicable: AA/AS

COD GE: None CSU GE: None IGETC: None

AUTO-093D DIESEL DIAGNOSTICS AND TROUBLESHOOTING Units: 2

This course provides an overview of root cause analysis and its application as relevant to light and medium duty diesel systems diagnosis and troubleshooting. The focus is on fuel delivery, air induction, emissions, electrical and drivability diagnosis. The coursework will include scenario based diagnosis and cold circuit analysis. This course will help anyone interested in developing an effective, logical approach to diesel systems diagnosis and troubleshooting.

Lecture Hours: 36 Lab Hours: 0 Repeatable: No Grading: L

Advisory: AUTO-093C

Transfer Status: None Degree Applicable: AA/AS

COD GE: None CSU GE: None IGETC: None

[Correction to page 198](#)

FIRE-063A BASIC FIRE FIGHTER I ACADEMY (Part 1)

Limitation on Enrollment: Successful completion of a Certified Physical Ability Test (CPAT) or BIDDLE test within one year ~~of the~~ prior to the start of the fire academy. Students must complete a mandatory respiratory examination (FIT) test before using the SCBA equipment.

Safety gear and SCBA will be required of all students. Complete IS-100: Introduction to the Incident Command System (<http://training.fema.gov/EMLweb/IS/is100lst.asp>) and IS-700: National Incident Management, An Introduction (<http://training.fema.gov/EMLweb/IS/is700alst.asp>) during FIRE-063A or FIRE-063B academy.

[New Courses Approved as UC Transferable \(effective Fall 2015\)](#)

BI-007, Biology of Mammals, 3 Units

BI-011, Biology of Viruses, 3 Units

ENGR-009, Introduction to Engineering, 3 Units

*KINE-085, Adapted Yoga, 1 Unit

PS-003, Introduction to Political Theory, 3 Units

*VSM-014A, Varsity Basketball Fall-Men, 1.5 Units

*VSO-014C, Basketball-Men, Summer, 1 Unit

*VSO-015C, Basketball-Women, Summer, 1 Unit

*VSO-042, Golf-Men's and Women's, Summer, 1 Unit

*VSW-015A, Varsity Basketball Fall-Women, 1.5 Units

**UC will accept course but with some unit limitations or other stipulations. Please consult with a counselor.*

Changes to page 15

2 4. ASSESSMENT

All new first time students are required to complete basic skills assessments in English, reading and mathematics. Additionally, any assessments taken five or more years ago are no longer valid for prerequisite purposes.

Changes to pages 243 - 250

FACULTY AND ADMINISTRATION

Changes in Title:

HEATHER BENES (2008)

~~Assistant~~ **Associate** Professor, English

GEORGE BROWN (2012)

~~Instructor~~ **Assistant** Professor, Heating, Air Conditioning and Ventilation

DENISE DIAMOND (2001)

~~Associate~~ **Professor**, English

KIMBERLY DOZIER (2005)

~~Associate~~ **Professor**, English

KATHLYN ENCISO (2006)

~~Associate~~ **Professor**, English

ANTHONY FESMIRE (2008)

~~Associate~~ **Professor**, Music

ALEJANDRO JAZAN (2008)

~~Assistant~~ **Associate** Professor, Speech

CHRIS JONES (2008)

~~Associate~~ **Professor**, Psychology

FELIX MARHUENDA-DONATE (2006)

~~Assistant~~ **Associate** Professor, Mathematics

ROBERT ROSTECK (2007)

~~Associate~~ **Professor**, Biology

LISA SOCCIO (2006)

~~Assistant~~ **Associate** Professor, Art History/Art Gallery Director

DIANE TARAS (2006)

~~Instructor~~ **Associate** Professor, English as a Second Language

Correction:

SARA BUTLER (2014)

Instructor, Political Science

B.A. 2007, College of Staten Island, NY

M.A. 2010, University of California, Los Angeles

Ph.D. ~~2011~~ **2015**, University of California, Los Angeles

FACULTY EMERITI

Correction:

DOUG A. MacINTIRE (2002-2015)

Professor Emeritus, Physics and Computer Science