2017–2018 Catalog Addendum 2
August 2017

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 2017-2018 Catalog. These changes replace what is printed in the current Catalog and are effective as of the Fall 2017. Instructions for understanding this addendum are as follows: underline indicates new material, strikethrough indicates a deletion.

Changes to page 41 – 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 2012 2013, 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: 29.13 26.65%

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 2012 2013 to Spring 2015 2016. Students who have completed 60 transferable units with a GPA of 2.0 or better are considered 'transfer-prepared'.

Transfer Rate: 9.49 8.48%

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 2013 2014 to Spring 2015 2016, 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 CREDIT PROGRAMS

Building Automation Control Certificate of Achievement

The Building Automation Control Certificate offers the students the opportunity to learn the academic, occupational, communication, and technical training skills needed by entry level technicians in the commercial Heating, Ventilating, and Air Conditioning (HVAC) industry. Students completing this certificate will develop multiple skills that include real-world knowledge of: Fundamentals of electricity, physics for building science, building commissioning, schematic and blueprint reading, mechanical and electrical devices, hardware and software for building technicians, digital controls, control networks and programming, BAS system installation, service, operation, maintenance, and troubleshooting, automated HVAC system controls, energy management system controls, and lighting and security system controls. This curriculum was developed in collaboration with several community colleges and industry partners to provide a path to various commercial Heating, Ventilation, and Air Conditioning (HVAC) career areas.

Required Courses:

ACR-060	Air Conditioning & Refrigeration I	3
ACR-064	Air Conditioning & Refrigeration Electricity I	3
ACR-065	Air Conditioning & Refrigeration Electricity II	3
ACR-076	Facilities Maintenance – Chillers	3
ACR-090	Building Automation Fundamentals	3
ACR-091	Advanced Building Control Networks	3
ACR-092	Advanced Building Automation Networks and Programming	3
CERTIFICATE TOTAL		**21**

Advisors: George Brown, gjbrown@collegeofthedesert.edu, (760) 568-3238
Ramiro Galicia, rgalicia@collegeofthedesert.edu, (760) 674-7833

Commercial Gas Heating Certificate of Achievement

The Commercial Gas Heating offers the students the opportunity to learn the academic, occupational, communication, and technical training skills needed by entry level technicians in the commercial Heating, Air Conditioning, and Refrigeration industry. Students completing this certificate will develop multiple skills that include real-world knowledge of combustion theory and application, combustion analysis, equipment tools, heating systems and components, electrical troubleshooting, heating safety, fuel properties, carbon monoxide measurements, safety, and health effects, building pressure measurements, static pressure, pressure imbalances, combustion appliance zone testing, and furnace installation and service. This curriculum was developed in collaboration with several community colleges and industry partners to provide a path to various commercial Heating, Air Conditioning, and Refrigeration career areas including, but not limited to facilities maintenance, building engineer, manufacturing, design, installation, service, sales, and entrepreneurship.

Required Courses:

ACR-060	Air Conditioning & Refrigeration I	3
ACR-064	Air Conditioning & Refrigeration Electricity I	3
ACR-065	Air Conditioning & Refrigeration Electricity II	3
ACR-076	Facilities Maintenance – Chillers	3
ACR-080	Gas Heating	3
ACR-084	Boiler and Hydronic Heating	3
CERTIFICATE TOTAL		**18**

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Facilities Operations Technician Certificate of Achievement

The Facilities Operations Technician Certificate offers the students the opportunity to learn the academic, occupational, communication, and technical training skills needed by entry level technicians in the commercial Heating, Ventilating, and Air Conditioning (HVAC) industry. Students completing this certificate will develop multiple skills that include real-world knowledge of: Air conditioning and refrigeration theory and application, equipment tools, systems and components, interpreting electrical diagrams, physics for building science, building commissioning, building automation controls, control networks, carbon monoxide analysis, building pressure measurements, general combustion theory, plumbing fundamentals, boilers, chillers, air supply and delivery, system evacuation and charging, equipment service and installation, energy conservation, design, troubleshooting, and safety. This curriculum was developed in collaboration with several community colleges and industry partners to provide a path to various commercial Heating, Ventilating, and Air Conditioning (HVAC) career areas.

Required Courses:

ACR-060	Air Conditioning & Refrigeration I	3
ACR-064	Air Conditioning & Refrigeration Electricity I	3
ACR-065	Air Conditioning & Refrigeration Electricity II	3
ACR-076	Facilities Maintenance – Chillers	3
ACR-078	Safe Refrigerant Handling & Management	3
ACR-083	All Weather Heating & Cooling Systems	3
ACR-084	Boiler and Hydronic Heating	3
ACR-090	Building Automation Fundamentals	3
ARCH-011	Fundamentals Architectural Blueprint Reading	3
ACT-030	Plumbing Fundamentals	3
CERTIFICATE TOTAL		**30**

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Green HVAC Commercial Certificate of Achievement

Green HVAC Commercial offers the students the opportunity to learn the academic, occupational, communication, and technical training skills needed by entry level technicians in the commercial Heating, Ventilating, and Air Conditioning (HVAC) industry. Students completing this certificate will develop multiple skills that include real-world knowledge of air conditioning and refrigeration theory and application, equipment tools, systems and components, fundamentals of motors and capacitors, interpreting electrical diagrams, building automation controls, control networks, principles of hydronic heat, boilers, chillers, duct and envelope testing, air supply and delivery, system evacuation and charging, troubleshooting, equipment service and installation, energy conservation, design, and safety. This curriculum was developed in collaboration with several community colleges and industry partners to provide a path to various commercial Heating, Ventilating, and Air Conditioning (HVAC) career areas.

Required Courses:

ACR-060	Air Conditioning & Refrigeration I	3
ACR-061	Air Conditioning & Refrigeration II	3
ACR-064	Air Conditioning & Refrigeration Electricity I	3
ACR-065	Air Conditioning & Refrigeration Electricity II	3
ACR-075	HVACR Systems Design	3
ACR-076	Facilities Maintenance – Chillers	3
ACR-077	Energy Conservation Methods for HVACR	3
ACR-078	Safe Refrigerant Handling & Management	3
ACR-083	All Weather Heating & Cooling Systems	3
ACR-084	Boiler and Hydronic Heating	3
ACR-090	Building Automation Fundamentals	3
BIT-020	California Mechanical Codes	2

CERTIFICATE TOTAL...**35**

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Green HVAC Residential Certificate of Achievement

Green HVAC Residential Certificate offers the students the opportunity to learn the academic, occupational, communication, and technical training skills needed by entry level technicians in the residential Heating, Ventilating, and Air Conditioning (HVAC) industry. Students completing this certificate will develop multiple skills that include real-world knowledge of: Air conditioning and refrigeration theory and application, equipment tools, systems and components, duct and envelope testing, fundamentals of motors and capacitors, interpreting electrical diagrams, air supply and delivery, system evacuation and charging, troubleshooting, equipment service and installation, energy conservation, design, and safety. This curriculum was developed in collaboration with several community colleges and industry partners to provide a path to various residential Heating, Ventilating, and Air Conditioning (HVAC) career areas.

Required Courses:

ACR-060	Air Conditioning & Refrigeration I	3
ACR-061	Air Conditioning & Refrigeration II	3
ACR-064	Air Conditioning & Refrigeration Electricity I	3
ACR-065	Air Conditioning & Refrigeration Electricity II	3
ACR-075	HVACR Systems Design	3
ACR-077	Energy Conservation Methods for HVACR	3
ACR-078	Safe Refrigerant Handling & Management	3
ACR-080	Gas Heating	3
ACR-083	All Weather Heating & Cooling Systems	3

CERTIFICATE TOTAL...**27**

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Heat Pumps Certificate of Achievement

The Heat Pumps Certificate offers students the opportunity to learn the academic, occupational, communication, and technical training skills needed by entry level technicians in the Heating, Ventilating, and Air Conditioning (HVAC) industry. All weather heating and cooling systems, better known as heat pumps, are a specialized cost saving device typically found in commercial buildings that are now becoming more commonplace in residential buildings. Students completing this certificate will develop advanced theory, troubleshooting, and service skills, as well as an advanced understanding of heat pump schematics, components, and controls. This curriculum was developed in collaboration with several community colleges and industry partners to provide a path to careers that require heat pump technical servicing skills.

Required Courses:

ACR-060	Air Conditioning & Refrigeration I	3
ACR-061	Air Conditioning & Refrigeration II	3
ACR-064	Air Conditioning & Refrigeration Electricity I	3
ACR-065	Air Conditioning & Refrigeration Electricity II	3
ACR-078	Safe Refrigerant Handling & Management	3
ACR-083	All Weather Heating & Cooling Systems	3
CERTIFICATE TOTAL		**18**

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Residential Gas Heating Certificate of Achievement

The Residential Gas Heating Certificate offers the students the opportunity to learn the academic, occupational, communication, and technical training skills needed by entry level technicians in the residential Heating, Air Conditioning, and Refrigeration industry. Students completing this certificate will develop multiple skills that include real-world knowledge of: Combustion theory and application, combustion analysis, equipment tools, heating systems and components, electrical troubleshooting, heating safety, fuel properties, carbon monoxide safety, building pressure measurements, furnace installation and service. This curriculum was developed in collaboration with several community colleges and industry partners to provide a path to various residential Heating, Air Conditioning, and Refrigeration career areas.

Required Courses:

ACR-060	Air Conditioning & Refrigeration I	3
ACR-064	Air Conditioning & Refrigeration Electricity I	3
ACR-065	Air Conditioning & Refrigeration Electricity II	3
ACR-080	Gas Heating	3
CERTIFICATE TOTAL		**12**

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Associate in Arts in Child and Adolescent Development for Transfer Degree (AA-T)

College of the Desert offers a Child and Adolescent Development Associate in Arts for Transfer degree, also called Child and Adolescent Development AA-T. Students completing this interdisciplinary degree are prepared to understand the processes of change and growth that characterize human development from conception to age 18. Course offerings are drawn from psychology, sociology, human development, anthropology, and biology, with electives from other departments. Students completing an associate's degree in Child and Adolescent Development are qualified to work in school districts as classroom paraprofessionals and for social services programs as entry level social workers. Students completing a Bachelor of Arts degree in this major typically choose careers in education, social services, counseling, and guidance, or in the field of health.

The Child and Adolescent AA-T is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

This degree requires students to complete 60 CSU transferable units including completion of CSU GE or IGETC and 21-23 units in the major with a cumulative GPA of 2.0 or better. Title 5 requires that students must earn a "C" or better in all courses required for the major or area of emphasis. There are no additional graduation requirements. Student should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

Required Core Courses:

BI-004	Elements of Biology	4
or BI-007	Biology of Mammals (3)	
ECE-010	Child Growth and Development	3
ECE-017	Child Guidance	3
PSY-001	Intro to Psychology	3
PSY-003	Developmental Psychology	3
MATH-014	Statistical Methods	4
or SOC-003	Fundamentals of Statistics (3)	

List A - Select 1 course (3 units):

ANTH-002	Cultural Anthropology (3)
ECE-012	Child, Family and Community Relations (3)
SOC-001	Introductory Sociology (3)
SOC-014	Introduction to Race and Ethnicity (3)

Required Subtotal 21-23
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.

Advisor: Donna Greene, dgreene@collegeofthedesert.edu, (760) 776-7429

Associate of Science Degree in Engineering

The Associate in Science degree in Engineering prepares students for transfer to the four year college or university to complete a bachelor's degree program in one of the following engineering disciplines: aerospace, biomedical, chemical, civil, computer, electrical, environmental, manufacturing, mechanical, and nuclear. The program covers courses typically offered in freshman and sophomore years of an accredited engineering curriculum in the United States. Students are strongly recommended to keep themselves informed of the rules and requirements related to the major department at the transfer institution. Students are advised to use the counseling expertise available via the Counseling Center and faculty advisors to establish an individual educational plan specific to their academic goal.

Fundamentals Core Courses for Engineering Major (31 units):

ENGR-009	Introduction to Engineering	3
ENGR-006A	Electric Circuits/Engineering & Science	4
or PH-006A	Electric Circuits/Engineering & Science (4)	

MATH-001A	Calculus	4
MATH-001B	Calculus	4
MATH-002A	Multivariate Calculus	4
MATH-002C	Ordinary Differential Equations	4
PH-003A	Engineering Physics	4
PH-003B	Engineering Physics	4

Required Courses for Civil, Mechanical, Aerospace, and Manufacturing (18-19 units)

CH-001A	General Chemistry I	5
CS-007A	Computer Science I	4
DRA-002	AutoCAD	4
or DRA-011	Introduction to Sketchup and Revit (3)	
ENGR-011	Statics	3
or PH-011	Statics (4)	
ENGR-013	Materials Science	3

Required Courses for Electrical (9 units)

CH-001A	General Chemistry I	5
CS-007A	Computer Science I	4

Required Courses for Computer/Software (12 units)

CS-007A	Computer Science I	4
CS-007B	Computer Science II	4
MATH-015	Discrete Mathematics for Computers	4
or MATH-002B	Linear Algebra (4)	

Required Subtotal	40-50
CSU General Education or IGETC Pattern*	37-39
Kinesiology Activities	2
DEGREE TOTAL	**67-82**

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

Advisor: Carl Farmer, cfarmer@collegeofthedesert.edu, (760) 776-7455

Associate in Science in Film, Television And Electronic Media For Transfer (AS-T)

The Associate in Science in Film, Television and Electronic Media for Transfer Degree offers students a comprehensive lower division program that prepares them for entry-level jobs in film production companies, radio and television stations or multimedia businesses, and also enables them to transfer into a four-year program of study in film, television and electronic media. Students in this AS-T degree program will gain a critical understanding of the mass media and how they function, as well as practical skills in writing, producing, directing and editing films, videos, radio programs and other multimedia content.   Students earning this degree are well prepared for career fields in motion picture production, radio and television broadcast and the electronic media.

The AS-T in Film, Television and Electronic Media is intended particularly for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

This 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:
a.   The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-B).
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.

Required Core Courses (6 units):
MC-001	Introduction to Mass Media	3
RTV-006	Introduction to Film	3

Audio (3 units)
RTV-007	Introduction to Radio Production	3

Video or Film Production (3 units)
RTV-010A	Basic Motion Picture/TV Production	3

List A - Select 1 course (3-4 units):
ART-010	Introduction to Art (3)
ENG-002	Argumentative Writing & Critical Thinking through Literature (4)
J-003A	News Reporting & Writing (3)

List B - Select 1 course (3 units):
RTV-005	Radio and Television Writing (3)
RTV-008	Contemporary World Film (3)
RTV-011A	Motion Picture/TV Production (3)

Required Subtotal 18-19
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.

Advisor: Laurilie Jackson, ljackson@collegeofthedesert.edu, (760) 674-7795

Associate in Arts in Global Studies for Transfer Degree (AA-T)

Students pursuing a degree in Global Studies will acquire a broad, knowledge of the interdisciplinary field of global studies. Students will understand the impact of globalization on politics, culture, and economics. They will also assess key global issues, including but not limited to, the environment, human needs, human rights, population growth and migration, economic development, and global governance. Students will develop skills and knowledge that will allow them to work in an increasingly globalized world. They will be able to understand how various disciplines approach the topic of globalization and its consequences. They will also be able to hone skills, such as critical thinking and problem solving, that encourage them to become more effective global citizens.

Career paths chosen by students pursuing undergraduate studies in Global Studies commonly include government service, activism, consulting, lobbying, and journalism. Careers in the discipline that generally require graduate-level degrees include college teaching, law, policy analysis, diplomacy, etc.

The Associate in Arts in Global Studies for Transfer, also called the Global Studies AA-T Degree, prepares students to transfer to CSU campuses that offer bachelor's degrees in Global Studies or related major. Students earning the Global Studies AA-T Degree will be granted priority for admission as a Global Studies or related major to a local CSU, as determined by the CSU campus to which the student applies. This Global Studies 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:
    a. The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-B).
    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.

Required Core Courses (6 units):

GS-010   Intro to Global Studies 3
GS-011   Global Issues.. 3

List A - Select 5 courses from at least 4 of the following areas (15 units):

Culture and Society:
HIST-003   History of World Civilization I (3)
HIST-004   History of World Civilization II (3)

Geography:
GEOG-001   Physical Geography (3)
GEOG-002   Cultural Geography (3)
GEOG-007   Regional Geography (3)

Economics:
ECON-001   Principles of Macroeconomics (3)
ECON-002   Principles of Microeconomics (3)

Politics:
PS-002   Introduction to Comparative Governments (3)
PS-004   Introduction to International Relations (3)

Humanities:
ENG-012A   World Literature I (3)
ENG-012B   World Literature II (3)

Required Subtotal 21
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.

Advisor: Sara Butler, sbutler@collegeofthedesert.edu, (760) 776-7365

Associate of Science Degree in Sports Medicine

The associate in science degree in sports medicine is a two year course of study designed for students interested in becoming various allied health care professionals such as athletic trainers, physical therapists, physical therapists assistants, chiropractic care, occupational therapy, physician assistant etc. It provides academic and clinical experience to prepare students for further study or to obtain employment in an entry level rehabilitation and/or allied health setting. Earning this degree may facilitate the student's transfer to a four-year college and/or professional program.

Required Core Courses:

BI-013   Human Anatomy and Physiology I 4
BI-014   Human Anatomy and Physiology II 5
KINE-008   Introduction to Kinesiology 3
KINE-001   First Aid and Safety 3
KINE-003   Care and Prevention of Athletic Injuries 3
KINE-004   Advanced Care and Prevention of Athletic Injuries 3
KINE-012   Clinical Experiences in Sports Med & Athletic Training I 2
KINE-013   Clinical Experiences in Sports Med & Athletic Training II 2

| KINE-014 | Clinical Experiences in Sports Med & Athletic Training III | 2 |
| KINE-015 | Clinical Experiences in Sports Med & Athletic Training IV | 2 |

Select 1 course from the following (1 unit):
KINE-094	Personal Fitness (1)
KINE-096	Weight Training (1)
KINE-096A	Biomechanics of Strength Training (1)

Required Subtotal 30
CSU General Education or IGETC Pattern...37-39
DEGREE TOTAL.. 63-65

*KINE courses may be double counted for the kinesiology/activity degree requirement.

Advisor: Courtney Doussett, cdoussett@collegeofthedesert.edu, (760) 776-7339

NEW NONCREDIT PROGRAMS

A+ Preparatory Certificate of Completion

CompTIA certifications help students build a solid foundation of essential knowledge and skills that will help students earn employment in technology-related careers. The CompTIA A+ certification assures employers that their applicant is prepared to enter the workforce as an entry-level computer support technician. Computer support technicians provide technical assistance to computer users. They may answer questions or resolve computer problems for clients in person, or via telephone or electronically. They may provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems.
Completion of the A+ Preparatory Certificate prepares students for the CompTIA A+ 220-901 and 220-902 industry certification exams.

Required Courses:
| CIS-340A | Information and Communication Technology Essentials I | 0 |
| CIS-340B | Information and Communication Technology Essentials II | 0 |

Advisor: Felix Marhuenda-Donate, fmarhuenda@collegeofthedesert.edu, (760) 773-2523

Network+ Preparatory Certificate of Completion

CompTIA certifications help students build a solid foundation of essential knowledge and skills that will help students earn employment in technology-related careers. The CompTIA Network+ certification assures employers that their applicant is prepared to enter the workforce as a network support technician. Computer network technicians analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption.
Completion of the Network+ Preparatory Certificate prepares students for the CompTIA Network+ industry certification exam.

Required Courses:
| CIS-353A | Computer Network Fundamentals I | 0 |
| CIS-353B | Computer Network Fundamentals II | 0 |

Advisor: Felix Marhuenda-Donate, fmarhuenda@collegeofthedesert.edu, (760) 773-2523

Security+ Preparatory Certificate of Completion

CompTIA certifications help students build a solid foundation of essential knowledge and skills that will help students earn employment in technology-related careers. The CompTIA Security+ certification validates foundational IT security knowledge and skills, essential principles for network security, and risk management.
Completion of the Security+ Preparatory Certificate prepares students for the CompTIA Security+ industry certification exam.

Required Courses:
| CIS-360A | Information Systems Security I | 0 |
| CIS-360B | Information Systems Security II | 0 |

Advisor: Felix Marhuenda-Donate, fmarhuenda@collegeofthedesert.edu, (760) 773-2523

Sentence Certificate of Competency

The Sentence Certificate of Competency delves into the basic elements of Standard Written English (SWE), namely the rules of grammar and syntax, and the conventions of SWE usage. The courses that make up this certificate begin with the basic grammatical units of SWE, followed by an overview of common grammar errors that impede communication and an overview of syntactic and usage problems.

Required Courses:

ENG-301	Basic Grammar and Punctuation	0
ENG-302	Sentences and Syntax	0

Advisor: Reid Sagara, rsagara@collegeofthedesert.edu, (760) 776-7359

Organization Certificate of Competency

The Organization Certificate of Competency develops writing skills that help students communicate ideas, opinions, arguments, facts, and evidence in a coherent structure intended for a reading audience. These organizational principles will benefit students in academic classes at the community college level as well as in the workplace.

Required Courses:

ENG-303	Developing Paragraphs	0
ENG-304	Basic Essay Principles	0

Advisor: Reid Sagara, rsagara@collegeofthedesert.edu, (760) 776-7359

Language & Thought Certificate of Competency

The Language & Thought Certificate of Competency critical thinking skills about language use and personal experience conveyed through writing. The certificate examines language in context as well as how personal experience can be used to support arguments. This certificate asks students to examine the political, social, and cultural meaning behind language and narratives. It explores word choice and how the meaning of language changes depending on setting, and how the way in which a story is told reveals knowledge and insight. Attention begins at the individual word level then moves narratives.

Required Courses:

ENG-305	Critical Thinking and Language Consciousness	0
ENG-306	Narrative Writing and Writing from Personal Experience	0

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Research & Argument Certificate of Competency

The Research & Argument Certificate explores the basic elements of academic research and argumentative writing. The courses in this certificate prepare students for the rigors of academic research and argumentative writing that are expected in courses across the curriculum.

Required Courses:

ENG-307	Introduction to Research and Documentation	0
ENG-308	Introduction to Rhetoric and Argument	0

Advisor: Reid Sagara, rsagara@collegeofthedesert.edu, (760) 776-7359

Advanced Academic ESL Noncredit Certificate of Competency

The Certificate of Competency in Advanced Academic ESL provides students, prospective employers, and others with documented evidence of persistence and academic accomplishment in English as a Second Language. The certificate demonstrates satisfactory completion in a sequence of six courses in the ESL program designed to enable non-native English language students to develop college-level oral, aural, reading, and written fluency.

Required Courses:

ESL-352	Pronunciation	0
ESL-353	Speech Pronunciation and Listening	0
ESL-370	ESL/Academic English I	0
ESL-370A	Grammar and Editing	0
ESL-371	ESL/Academic English II	0
ESL-371A	Advanced Grammar and Editing	0

Advisor: Christen Smith, chsmith@collegeofthedesert.edu, (760) 776-7256

Lifeguard Training Certificate of Completion

This two course certificate will provide important knowledge and job related skills for future lifeguards. At completion of the certificate, the students will have knowledge, skills and application of lifeguard training, cardiopulmonary resuscitation for the professional rescuer, automated external defibrillator, and knowledge and skills of advanced first aid for lifeguards and title 22 of California Code of Regulations. The course content is in alignment with the American Red Cross.

Required Courses:

KINE-303   Lifeguard Training I, CPR, AED and First Aid 0
KINE-304   Lifeguard Training II 0

Advisor: Wendy Ansley, wansley@collegeofthedesert.edu, (760) 776-7203

Water Safety Instructor Certificate of Completion

The two course certificate in Water Safety Instructor will provide the knowledge and skills necessary to implement water safety and teaching methods to infants, children, and adults of diverse ability levels. The course content will be in alignment with the American Red Cross.

Required Courses:

KINE-306   Water Safety Instructor I 0
KINE-307   Water Safety Instructor II 0

Advisor: Wendy Ansley, wansley@collegeofthedesert.edu, (760) 776-7203

Whole Numbers Certificate of Competency

This is a program in the basic operations of arithmetic of Whole Numbers. The program consists of two courses, Math-370A and Math-370B. This program is noncredit, lab based, self-paced and open entry. Students can repeat the program as often as needed to develop foundational numeracy skills in whole numbers. Students can enroll in the program at any time during the semester and concurrently with other Math courses. Students can devote as much time and effort as needed in order to successfully complete the program. In order to receive the Certificate of Completion in Whole Numbers, the students need to successfully complete these two courses. After receiving the Certificate, students should be able to demonstrate number sense, which is characterized by the ability to judge relative sizes of numbers, perform computations with numbers in different representations, and assess the reasonableness of results; and to use the information contained in application problems to identify and execute methods of solution that involve arithmetic skills, and evaluate the reasonableness of the results obtained.

Required Courses:

MATH-370A   Arithmetic of Whole Numbers-Module 1 0
MATH-370B   Arithmetic of Whole Numbers-Module 2 0

Advisor: Thang Le, tle@collegeofthedesert.edu, (760) 862-1368

Integers Certificate of Competency

This is a program in the basic operations of arithmetic of Integers. The program consists of two courses, Math-370C and Math-370D. This program is noncredit, lab based, self-paced and open entry. Students can repeat the program as often as needed to develop foundational numeracy skills in Integers. Students can enroll in the program at any time during the semester and concurrently with other Math courses. Students can devote as much time and effort as needed in order to successfully complete the program. In order to receive the Certificate of Completion in Integers, the students need to successfully complete these two courses. Furthermore, students need to have Certification of Completion in Whole Numbers prior to start working in this program. After receiving the Certificate, students should be able to demonstrate number sense, which is characterized by the ability to judge relative sizes of numbers, perform computations with numbers in different representations, and assess the reasonableness of results; and to use the information contained in application problems to identify and execute methods of solution that involve arithmetic skills, and evaluate the reasonableness of the results obtained.

Required Courses:

MATH-370C   Arithmetic of Integers-Module 1 0
MATH-370D   Arithmetic of Integers-Module 2 0

Advisor: Thang Le, tle@collegeofthedesert.edu, (760) 862-1368

Rational Numbers Certificate of Competency

This is a program in the basic operations of arithmetic of Rational Numbers. This program consists of two courses, Math-370E and Math-370F. This program is noncredit, lab based, self-paced and open entry. Students can repeat the program as often as needed to develop foundational numeracy skills in Rational Numbers. Students can enroll in the program at any time during the semester and concurrently with other Math courses. Students can devote as much time and effort as needed in order to successfully complete the program. In order to receive the Certificate of Completion in Rational Numbers, the students need to successfully complete these two courses. Furthermore, students need to have Certification of Completion in Integers prior to start working in this program. After receiving the Certificate, students should be able to demonstrate number sense, which is characterized by the ability to judge relative sizes of numbers, perform computations with numbers in different representations, and assess the reasonableness of results; and to use the information contained in application problems to identify and execute methods of solution that involve arithmetic skills, and evaluate the reasonableness of the results obtained.

Required Courses:

MATH-370E	Arithmetic of Rational Numbers-Module 1	0
MATH-370F	Arithmetic of Rational Numbers-Module 2	0

Advisor: Thang Le, tle@collegeofthedesert.edu, (760) 862-1368

Corrections to Programs of Study

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Associate of Science Degree in Culinary Management
(Includes Certificate Program)

Required Courses:

CART 001	Sanitation & Safety	3
CART 003	Principles of Cooking	5
CART 004	Pantry	5
CART 006	Garde Manger	5
CART 010	Food Procurement & Cost Control	3
CART 011	Menu Planning	3
CART 033	Introduction to Baking	4
CART 034	Intermediate Baking	4
BUHM 050	Introduction to the Hospitality Industry	3
BUHM 063	Hotel & Restaurant Operations	3
BUMA 001	Principles of Management	3
CIS 010	Computer Literacy	4
CERTIFICATE TOTAL		**45**
COD General Education Pattern		18
Kinesiology Activities		2
DEGREE TOTAL		~~60~~ **65**

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ECE: Teacher Certificate of Achievement
and preparation for State Permit

Required Courses:

ECE 001	Principles and Practices of Teaching	3
ECE 010	Child Growth & Development	3
ECE 012	Child, Family & Community	3
ECE 031	Child Abuse & Neglect	3
ECE 040	Introduction To Curriculum	3
ECE 044	Health, Safety & Nutrition	3
ECE 045	Teaching In A Diverse Society	3
ECE 046B	Observation and Assessment	3
ECE 047A	Practicum In Early Childhood Education	3
ENG 001A	Composition	4
Required Subtotal		**31**
COD General Education Subtotal		12

(12 units from the following areas: Social Sciences, Humanities, Math, or Science)

~~**DEGREE TOTAL**~~		~~60~~
CERTIFICATE TOTAL		**43**

Associate of Science Degree in Recreation

Required Courses:

KINE-001	First Aid and Safety	3
KINE-002[1]	Sports Officiating	3
KINE-005[1]	Foundations of Coaching	3
KINE-008[1]	Introduction to Kinesiology	3
KINE 039-099[2]	Kinesiology Activity	2
RE-001[1]	Introduction To Recreation & Sport Management	3
~~RE~~ KINE-095A	~~Recreation~~ Kinesiology Work Experience	2

(Maximum of 2 units may be used for work experience)

CSU General Education or IGETC Pattern 37-39

Transferable Electives (as needed to reach 60 transferable units)

DEGREE TOTAL 60

[1] Scheduling priority: Course is offered only every other semester.
[2] May double count for Kinesiology Activities degree requirement.

Courses of Instruction

NEW NONCREDIT COURSES

CIS-340A   Information and Communication Technology Essentials I   Units: 0

CompTIA certifications help students build a solid foundation of essential knowledge and skills that will help students earn employment in technology-related careers. The CompTIA A+ certification assures employers that their applicant is prepared to enter the workforce as an entry-level computer support technician. Computer support technicians provide technical assistance to computer users. They may answer questions or resolve computer problems for clients in person, or via telephone or electronically. They may provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems. Completion of this course prepares students for the CompTIA A+ 220-901 industry certification exam.

Lecture Hours: 27	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass

Prerequisite: None

Transfer Status: None   Degree Applicable: NONC

COD GE: None	CSU GE: None	IGETC: None

CIS-340B   Information and Communication Technology Essentials II   Units: 0

CompTIA certifications helps students build a solid foundation of essential knowledge and skills that will help them earn employment in technology-related careers. The CompTIA A+ certification assures employers that their applicant is prepared to enter the workforce as an entry-level computer support technician. Computer support technicians provide technical assistance to computer users. They may answer questions or resolve computer problems for clients in person, or via telephone or electronically. They may provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems. Completion of this course prepares students for the CompTIA A+ 220-902 industry certification exam.

Lecture Hours: 27	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass

Prerequisite: CIS-340A

Transfer Status: None   Degree Applicable: NONC

COD GE: None	CSU GE: None	IGETC: None

CIS-353A   Computer Network Fundamentals I   Units: 0

CompTIA certifications help students build a solid foundation of essential knowledge and skills that will help students earn employment in technology-related careers. The CompTIA Network+ certification assures employers that their applicant is prepared to enter the workforce as a network support technician. Computer network technicians analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption. Completion of this course, in conjunction with CIS-353B, prepares students for the CompTIA Network+ N10-006 industry certification exam.

Lecture Hours: 27	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass

Prerequisite: None

Transfer Status: None   Degree Applicable: NONC

COD GE: None	CSU GE: None	IGETC: None

CIS-353B   Computer Network Fundamentals II   Units: 0

CompTIA certifications help students build a solid foundation of essential knowledge and skills that will help students earn employment in technology-related careers. The CompTIA Network+ certification assures employers that their applicant is prepared to enter the workforce as a network support technician. Computer network technicians analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption. Completion of this course, together with CIS 353A, prepares students for the CompTIA Network+ N10-006 industry certification exam. This course may be taken as credit or non-credit.

Lecture Hours: 27	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass

Prerequisite: CIS-353A

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

CIS-360A — Information Systems Security I — Units: 0

An introduction to the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. It addresses hardware, software, processes, communications, applications, and policies and procedures with respect to organizational Cybersecurity and Risk Management. CompTIA certifications help students build a solid foundation of essential knowledge and skills that will help students earn employment in technology-related careers. The CompTIA Security+ certification provides a global benchmark for best practices in IT network and operational security, one of the fastest-growing fields in IT. Completion of this course prepares students for part of the CompTIA Security+ certification exam.

Lecture Hours: 27	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass

Prerequisite: CIS-053 or CIS-353B

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

CIS-360B — Information Systems Security II — Units: 0

An introduction to the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. It addresses hardware, software, processes, communications, applications, and policies and procedures with respect to organizational Cybersecurity and Risk Management. CompTIA certifications help students build a solid foundation of essential knowledge and skills that will help students earn employment in technology-related careers. The CompTIA Security+ certification provides a global benchmark for best practices in IT network and operational security, one of the fastest-growing fields in IT. Completion of this course prepares students for part of the CompTIA Security+ certification exam.

Lecture Hours: 27	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass

Prerequisite: CIS-360A

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

ENG-301 — Basic Grammar and Punctuation — Units: 0

This course provides an overview of grammar and punctuation concepts for Standard Written English. Emphasis is on concepts that directly impact college-level reading and writing.

Lecture Hours: 8	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ENG-302 — Sentences and Syntax — Units: 0

This course provides an overview of English syntax and usage. Emphasis is on concepts that directly impact college-level reading and writing.

Lecture Hours: 8	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Lecture Hours: 8	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ENG-303 — Developing Paragraphs — Units: 0

This course strengthens a student's ability to compose focused and developed paragraphs. Students learn basic paragraph elements, including topic sentences, supporting details, and analytical commentary. Students will then practice composing paragraphs using these foundational components.

Lecture Hours: 8	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ENG-304 — Basic Essay Principles — Units: 0

This course develops a student's ability to compose organized and developed essays. Students learn basic essay components, including introductory paragraphs, thesis statements, body paragraphs, and conclusions. Attention is given to developing a clear and focused idea throughout a single essay while providing supporting evidence.

Lecture Hours: 8	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ENG-305 — Critical Thinking and Language Consciousness — Units: 0

In this course students examine the use of language in context. The course requires students to explore the cultural, social, and political meaning behind language and how the setting in which language is used can alter word meaning. Students explore appropriate word choice in varying settings. Attention begins at the individual word level then moves to the examination of phrases and sentences.

Lecture Hours: 8	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ENG-306   Narrative Writing and Writing from Personal Experience   Units: 0

In this course students practice the skills required for composing narratives and stories. Students examine how narrative accounts can support and explain ideas, opinions, and research. This course examines how composing narratives and personal anecdotes can be used in academic and professional contexts.

Lecture Hours: 8	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ENG-307   Introduction to Research and Documentation   Units: 0

This course provides an overview of academic research and source documentation, as they apply to writing tasks across the curriculum. Students learn what comprises the academic research process, how to use library-based databases to locate research sources, and how to document these sources using a standard academic documentation system, such as MLA.

Lecture Hours: 8	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ENG-308   Introduction to Rhetoric and Narrative   Units: 0

This course provides an overview of rhetorical analysis and basic written argumentation. Students learn how to analyze various genres of argument that are commonly read in college courses, such as academic, editorial, and political arguments. In addition, students learn how to compose argumentative thesis statements, how to organize argumentative essays, and how to anticipate and respond to counterarguments.

Lecture Hours: 8	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ESL-352   Pronunciation   Units: 0

This course, for Non-native Speakers of English, focuses on pronunciation of phonetic sounds, syllable stress, word pattern stress, rhythm and intonation of Standard American English for effective communication.

Lecture Hours: 54	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Prerequisite: None			
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ESL-353   Speech Pronunciation and Listening   Units: 0

This course is designed to enable ESL students to gain confidence and pronunciation accuracy in speaking. Students will practice and develop their overall English listening and speaking proficiency and focus on specific areas of pronunciation difficulty in leading group discussions and giving speeches in college and the workplace.

Lecture Hours: 54	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Prerequisite: None			
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ESL-370   ESL/Academic English I   Units: 0

This is the first of two reading and writing courses to help non-native English students develop and improve academic reading and writing skills. Emphasis will be on basic essay structure, beginning research skills, and critical reading strategies with integrated practice and reinforcement in writing and reading. ESL 370A Introductory Grammar & Editing corequisite strongly advised.

Lecture Hours: 72	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Prerequisite: None			
Corequisite: ESL-370A			
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ESL-370A   Grammar and Editing   Units: 0

Non-native English speaking students will learn high-intermediate level grammar and language structures applicable to academic writing as well as strategies for editing their own writing. Strongly recommended corequisite for students enrolled in ESL 370 Academic English I.

Lecture Hours: 36	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass
Prerequisite: None			
Corequisite: ESL-370			
Transfer Status: None		Degree Applicable: NONC	
COD GE: None	CSU GE: None	IGETC: None	

ESL-371   ESL/Academic English II   Units: 0

An advanced course to help non-native English students develop and improve academic reading and writing skills. Emphasis is on college-level reading and writing: expanding vocabulary, reading comprehension, critical thinking, researching, and expository essay writing. ESL 371A Advanced Grammar & Editing corequisite strongly advised.

Lecture Hours: 72	Lab Hours: 0	Repeatable: Yes	Grading: Pass/No Pass

Prerequisite: ESL-370

Corequisite: ESL-371A

Transfer Status: None

Degree Applicable: NONC

COD GE: None   CSU GE: None   IGETC: None

ESL-371A   Advanced Grammar and Editing   Units: 0

Non-native English speaking students will learn advanced level grammar and language structures applicable to college writing as well as strategies for editing their own writing. Strongly recommended corequisite for students enrolled in ESL 371 Academic English II.

Lecture Hours: 36   Lab Hours: 0   Repeatable: Yes   Grading: Pass/No Pass

Prerequisite: ESL-370A

Advisory: ESL-371

Transfer Status: None   Degree Applicable: NONC

COD GE: None   CSU GE: None   IGETC: None

KINE-303   Lifeguard Training I, CPR, AED and First Aid   Units: 0

The course will instruct and provide the necessary skills and knowledge to prevent, recognize and respond to aquatic emergencies and to provide care for breathing and cardiac emergencies, injuries, and sudden illnesses until emergency medical services (EMS) personnel take over. The course content will be in alignment with the American Red Cross and will include the following: lifeguarding and shallow water, waterfront skills, written exams and physical and skill testing. This course is the first part of a two course certificate preparing the students at completion of the certificate to take an exam applicable to lifeguard certification with the American Red Cross. The American Red Cross certificate fees are required of each student that successfully completes this course for certification.

Lecture Hours: 36   Lab Hours: 0   Repeatable: Yes   Grading: Pass/No Pass

Prerequisite: None

Transfer Status: None   Degree Applicable: NONC

COD GE: None   CSU GE: None   IGETC: None

KINE-304   Lifeguard Training II   Units: 0

This course teaches the skills and knowledge of Advanced First Aid for Lifeguard, while meeting the first aid requirements of Title 22 of the California Code of Regulations. Upon successful completion of this course students will be eligible to take an exam applicable to a Title 22 Certification valid for 3 years. The course content is in alignment with the American Red Cross. This is the second course of a two course certificate to provide valuable lifeguard training and skills for job opportunities. The American Red Cross certificate fees are required of each student that successfully completes this course for certification.

Lecture Hours: 10   Lab Hours: 0   Repeatable: Yes   Grading: Pass/No Pass

Prerequisite: KINE-303

Transfer Status: None   Degree Applicable: NONC

COD GE: None   CSU GE: None   IGETC: None

KINE-306   Water Safety Instructor I   Units: 0

The Water Safety Instructor I course will be focused on implementing water safety and developing teaching methods of swimming for parent and child aquatics, preschool aquatics and infants. The course content is in alignment with the American Red Cross. This is the first course of a two course certificate to provide valuable skills and training for students to be eligible for water safety instructor certification with the American Red Cross.

Lecture Hours: 20   Lab Hours: 0   Repeatable: Yes   Grading: Pass/No Pass

Prerequisite: None

Transfer Status: None   Degree Applicable: NONC

COD GE: None   CSU GE: None   IGETC: None

KINE-307   Water Safety Instructor II   Units: 0

The course will provide instruction in how to teach the basic strokes of swimming such as front crawl (freestyle), back crawl (backstroke), elementary backstroke, sidestroke, breaststroke, butterfly, flip turns and diving to children and adults. The course content is in alignment with the American Red Cross and will include skill proficiency and written assessments. The course is the second course of a two course certificate. Upon successful completion of the two course certificate, the students will be eligible to take an exam applicable to Water Safety Instructor certification with the American Red Cross. The American Red Cross certificate fees are required of each student that successfully completes this two course certificate for Water Safety Instructor.

Lecture Hours: 20   Lab Hours: 0   Repeatable: Yes   Grading: Pass/No Pass

Prerequisite: KINE-306

Transfer Status: None   Degree Applicable: NONC

COD GE: None   CSU GE: None   IGETC: None

MATH-370A   Arithmetic of Whole Numbers-Module 1   Units: 0

This is a course in the basic operations of arithmetic of whole numbers. Topics include definition of whole numbers; adding and subtracting of whole numbers; writing of whole numbers in standard and expanded notation; and applying whole numbers to real life situations.

Lecture Hours: 0   Lab Hours: 1.5-18   Repeatable: Yes   Grading: Pass/No Pass

Transfer Status: None   Degree Applicable: NONC

COD GE: None   CSU GE: None   IGETC: None

MATH-370B Arithmetic of Whole Numbers-Module 2 Units: 0

This is a course in the basic operations of arithmetic of whole numbers. Topics include definition of prime and composite numbers; multiplying and dividing of whole numbers; factoring whole numbers into product of prime numbers; finding quotient and remainder in a division problem; and applying whole numbers to real life situations. Additional emphasis includes memorization of the basic whole number facts, such as multiplication table, divisibility criteria, and order of operations on whole numbers.

Lecture Hours: 0	Lab Hours: 1.5-18	Repeatable: Yes	Grading: Pass/No Pass

Advisory: MATH-370A

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

MATH-370C Arithmetic of Integers-Module 1 Units: 0

This is a course in the basic operations of arithmetic of integers. Topics include definition of integers; adding and subtracting of integers; graphing integers on the real number line; using absolute value to calculate distance between two integers; and applying integers to real life situations.

Lecture Hours: 0	Lab Hours: 1.5-18	Repeatable: Yes	Grading: Pass/No Pass

Advisory: MATH-370A & MATH-370B

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

MATH-370D Arithmetic of Integers-Module 2 Units: 0

This is a course in the basic operations of arithmetic of integers. Topics include multiplying and dividing of integers; finding quotient and remainder in a division problem; and applying integers to real life situations. Additional emphasis includes order of operations on integers and natural number exponents with integer bases.

Lecture Hours: 0	Lab Hours: 1.5-18	Repeatable: Yes	Grading: Pass/No Pass

Advisory: MATH-370A & MATH-370B & MATH-370C

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

MATH-370E Arithmetic of Rational Numbers-Module 1 Units: 0

This is a course in basic arithmetic of rational numbers. Topics include definition of rational numbers, and definition of proper and improper fractions; multiplying and dividing of rational numbers; simplifying rational numbers using prime factorization; writing equivalent fractions with different denominators; and applying rational numbers to real life situations. Additional emphasis includes natural number exponents with rational number bases.

Lecture Hours: 0	Lab Hours: 1.5-18	Repeatable: Yes	Grading: Pass/No Pass

Advisory: MATH-370C & MATH-370D

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

MATH-370F Arithmetic of Rational Numbers-Module 2 Units: 0

This is a course in basic arithmetic of rational numbers. Topics include definition of mixed numbers; adding and subtracting of rational numbers with common denominators; converting between mixed numbers and improper fractions; graphing rational numbers on the real number line; finding the least common multiple of integers using prime factorization; and applying rational numbers to real life situations. Additional emphasis includes order of operations on rational numbers and natural number exponents with mixed number bases.

Lecture Hours: 0	Lab Hours: 1.5-18	Repeatable: Yes	Grading: Pass/No Pass

Advisory: MATH-370C & MATH-370D & MATH-370E

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

Faculty and Administration

Additions:

RICHARD BURNS (2017)
Instructor, Geology

MEREDITH DILLON (2017)
Instructor, Kinesiology

MELANIE FIERRO (2017)
Temporary Faculty, Biology

BRIAN HARRADINE (2017)
Instructor, Nursing