

**RIO  
HONDO  
COLLEGE**



**COLLEGE CATALOG 2018-2019**

**ADDENDUM**

**RIO HONDO COLLEGE**  
**Addendum to 2018-2019 Catalog**

**Effective Spring 2019**

The Rio Hondo College Catalog Addendum represents program changes made since the last publication of the catalog. Included in the Addendum are new and revised degrees and certificates as well as new and revised changes. These changes are effective as of the Spring 2019 semester.

Students are advised to consult a counselor for questions pertaining to the academic programs offered at Rio Hondo College.

**NEW**

**DEGREES**

**AND**

**CERTIFICATES**

# COMMUNITY HEALTH WORKER

DIVISION OF KINESIOLOGY, DANCE AND ATHLETICS

## CERTIFICATE OF ACHIEVEMENT

The Community Health Worker Certificate of Achievement is designed to prepare students for employment as a health professional in the medical, education, and health and wellness career field. It is possible to complete this certificate in one calendar year. The curriculum has been designed to equip the student with the background, both theoretical and practical to pursue a job promoting community health and education. Courses in nutrition, special populations, psychology/sociology, first aid, and lifelong physical activity will prepare the student for responsibilities in the field of health. The program will also expose students to other areas such as health education, healthcare services, gerontology, wellness promotion, pre-allied health, nutritional science, counseling/social advocacy services, public health, and medical fields.

To acquire the **Certificate of Achievement in Community Health Worker**, it is necessary to complete the following courses:

<b>Required Courses</b>	<b>Units</b>
KIN 122 Nutrition for Sport and Fitness.....	3
KIN 146 Training Principles for Special Populations.....	2
KIN 193 Standard First Aid and CPR.....	3
KIN 197 Prevention and Treatment of Athletic Injuries.....	3
KIN 191 or Health: Personal Issues.....	3
KIN 192 or Health: Women's Personal Health.....	3
KIN 196 Health: Fitness and Wellness.....	3
PSY 180 or Positive Psychology.....	3
SOC 102 Major Social Problems.....	3
CWEG 290 Cooperative Work Experience/General.....	1

### Choose two courses from below:

KINA 120 Swim for Fitness.....	1
KINA 130 Lifelong Fitness Laboratory.....	1
KINA 132 Aqua Aerobics.....	1
KINA 136 Pilates Mat I.....	1
KINA 139 Cross Training for Fitness.....	1
KINA 140 Walking for Fitness.....	1
KINA 158 Yoga I.....	1

**Units Required**      20

# COMPUTER INFORMATION TECHNOLOGY/CYBERSECURITY

DIVISION OF BUSINESS

## ASSOCIATE OF SCIENCE DEGREE

The following curriculum meets the requirement for a degree in Computer Information Technology/Cybersecurity. The courses needed for the degree are designed for those wishing to pursue a career in Computer Information Technology with emphasis in Cybersecurity.

To acquire the **Associate of Science Degree in Computer Information Technology/Cybersecurity**, it is necessary to complete the following courses:

<b>Required Courses</b>		<b>Units</b>
CIT 101	Introduction to Computer Information Technology.....	3
CIT 180	*PC maintenance – A+ Certification.....	4
CIT 221	*Ethical Hacking.....	3

**Select one course of the following:**

CIT 171	*Network +.....	3
CIT 210	*Cisco Networking I.....	3

**Select one course from the following:**

CIT 125	C++ Programming – Introduction.....	4
CIT 127	*Programming Concepts and Methodology I with Python.....	3
CIT 135	Introduction to Java Programming.....	4

**Select two courses from the following:**

CIT 170	*Server +.....	3
CIT 192	*Network Security.....	3
CIT 200	*Systems Analysis and Design.....	3
CIT 211	*Cisco Networking II.....	3
MGMT 208	*Business Communications.....	3

**Select one course from the following:**

PSY 190	*Statistics for the Behavioral Sciences.....	4
MATH 130 or	*Statistics.....	4
MATH 130H	*Statistics Honors.....	4
MATH 170	*Elements of Calculus.....	4
MATH 190 or	*Calculus I.....	4
MATH 190H	*Calculus I Honors.....	4

**Units Required** 26-27

*\*Prerequisite*

# COMPUTER INFORMATION TECHNOLOGY/CYBERSECURITY

DIVISION OF BUSINESS

## CERTIFICATE OF ACHIEVEMENT

The following curriculum meets the requirement for a Certificate of Achievement in Computer Information Technology/Cybersecurity. The courses needed for the certificate are designed for those wishing to pursue a career in cybersecurity.

To acquire the **Certificate of Achievement in Computer Information Technology/Cybersecurity**, it is necessary to complete the following courses:

Required Courses		Units
CIT 101	Introduction to Computer Information Technology.....	3
CIT 127	*Programming Concepts and Methodology I with Python.....	3
CIT 180	*PC maintenance – A+ Certification.....	4

Select one course from the following:

CIT 171	*Network +.....	3
CIT 210	*Cisco Networking I.....	3

Select two courses from the following:

CIT 170	*Server +.....	3
CIT 192	*Network Security I.....	3
CIT 200	*Systems Analysis and Design.....	3
CIT 211	*Cisco Networking II.....	3
CIT 221	*Ethical Hacking.....	3
MGMT 208	*Business Communications.....	3

Select one course from the following:

PSY 190	*Statistics for the Behavioral Sciences.....	4
MATH 130 or	*Statistics.....	4
MATH 130H	*Statistics Honors.....	4
MATH 170	*Elements of Calculus.....	4
MATH 190 or	*Calculus I.....	4
MATH 190H	*Calculus I Honors.....	4

Units Required 23

\*Prerequisite

# COMPUTER INFORMATION TECHNOLOGY/CYBERSECURITY TECHNICIAN

DIVISION OF BUSINESS

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## CERTIFICATE OF ACHIEVEMENT

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The following curriculum meets the requirement for a Certificate of Achievement in Computer Information Technology/Cybersecurity Technician. The courses needed for the certificate are designed for those wishing to pursue a career in ethical hacking.

To acquire the **Certificate of Achievement in Computer Information Technology/Cybersecurity Technician**, it is necessary to complete the following courses:

Required Courses		Units
CIT 101	Introduction to Computer Information Technology.....	3
CIT 170	*Server +.....	3
CIT 171	*Network +.....	3
CIT 180	*PC maintenance – A+ Certification.....	4
CIT 192	*Network Security I.....	3

**Units Required**            16

*\*Prerequisite*

# COMPUTER INFORMATION TECHNOLOGY/ETHICAL HACKER

DIVISION OF BUSINESS

## CERTIFICATE OF ACHIEVEMENT

The following curriculum meets the requirement for a Certificate of Achievement in Computer Information Technology/Ethical Hacker. The courses needed for the certificate are designed for those wishing to pursue a career in ethical hacking.

To acquire the **Certificate of Achievement in Computer Information Technology/Ethical Hacker**, it is necessary to complete the following courses:

Required Courses	Units
CIT 101 Introduction to Computer Information Technology.....	3
CIT 127 *Programming Concepts and Methodology I with Python.....	3
CIT 170 *Server +.....	3
CIT 171 *Network +.....	3
CIT 180 *PC Maintenance A+ Certification.....	4
CIT 192 *Network Security I.....	3
CIT 221 *Ethical Hacking.....	3

**Units Required 22**

*\*Prerequisite*



# COMPUTER INFORMATION TECHNOLOGY/INFORMATION SYSTEMS AND TECHNOLOGY

DIVISION OF BUSINESS

## ASSOCIATE OF SCIENCE DEGREE

The following curriculum meets the requirement for a Degree in Computer Information Technology/Information Systems and Technology. The courses needed for the certificate are designed for those wishing to pursue a career in cybersecurity.

To acquire the **Associate of Science Degree in Computer Information Technology/Information Systems and Technology**, it is necessary to complete the following courses with a grade of "C".

Required Courses	Units
MATH 130 or *Statistics.....	4
MATH 130H *Statistics Honors.....	4
CIT 101 Introduction to Computer Information Technology.....	3
CIT 111 Introduction to Programming.....	3
CIT 192 *Network Security I.....	3
CIT 200 *Cisco Networking I.....	3
CIT 210 *Cisco Networking I.....	3
BUSL 110 Legal Environment of Business.....	3

**Select one course from the following:**

MATH 160 *College Algebra.....	4
MATH 170 *Elements of Calculus.....	4
MATH 180 *Pre-Calculus.....	4
MATH 190 or *Calculus I.....	4
MATH 190H *Calculus I Honors.....	4

**Choose one option from the following:**

**Cybersecurity Option**

ACCT 101 or Financial Accounting.....	4
ACCT 101H *Financial Accounting Honors.....	4
ACCT 102 *Managerial Accounting.....	4

**Communications Option**

CIT 211 *Cisco Networking II.....	3
MGMT 208 *Business Communications.....	3

**Units Required 32 - 34**

*\*Prerequisite*

# ELEMENTARY TEACHER EDUCATION

DIVISION OF BEHAVIORAL AND SOCIAL SCIENCES

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## CERTIFICATE OF ACHIEVEMENT

This Certificate of Achievement is meant to be an introduction of the skills required in Elementary Education for students interested in Elementary Education majors (or similar majors) at a CSU that offers baccalaureate degrees.

To acquire the **Certificate of Achievement in Elementary Teacher Education**, it is necessary to complete the following courses:

Required Courses	Units
CD 106      Child Growth and Development.....	3
ED 110      Introduction to Teaching.....	3
COUN 101 or    College and Life Success.....	3
EDEV 101      College and Life Success.....	3
SPCH 101 or    Public Speaking.....	3
SPCH 101H    *Public Speaking.....	3

**Units Required                    12**

*\*Prerequisite*

# GRAPHIC ART AND DESIGN

DIVISION OF ARTS & CULTURAL PROGRAMS

## ASSOCIATE OF ARTS DEGREE

The Associate of Arts Degree in Graphic Art and Design is designed for students interested in visual arts and graphic design. This degree combines traditional visual art topics with practical graphic design skills. Students will learn to produce solutions to visual communication problems. The form of the communication can be print or digital, and include photographs, typography, illustration and other graphic forms. The work produced includes branding and identity designs, publication designs, advertising, packaging, motion graphics, websites, information architecture, and other types of communication design. Students will explore both art and design history and learn the principles and elements of design.

To acquire the **Associates of Arts Degree in Graphic Art and Design**, it is necessary to complete the following courses:

Required Courses	Units
ART 106 or ART 106H	Survey of Western Art: Renaissance to Contemporary.....3 *Honors .....3
ART 120	Two-Dimensional Design.....3
ART 124	Color Theory.....3
PHTO 185	Introduction to Digital Photography.....3
GDSN 110	History of Graphic Design.....3
GDSN 150	Typography.....3
GDSN 162	Introduction to Web Design.....3
GDSN 164	Digital Illustration Design.....3
GDSN 178	Digital Imaging Design.....3

**Units Required 27**

*\*Prerequisite*

# GRAPHIC DESIGN

DIVISION OF ARTS AND CULTURAL PROGRAMS

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## CERTIFICATE OF ACHIEVEMENT

The courses required in this certificate provide the foundational skills needed to create effective Graphic Design solutions. Print and digital graphic design solutions require the designer to be versed in the manipulation of visual imagery, the use of typography as well as the Principles and Elements of design. Research and development of both the client and audience are also essential components in creating effective graphic design solution concepts.

To acquire the **Certificate of Achievement in Graphic Design**, it is necessary to complete the following courses:

<b>Required Courses</b>	<b>Units</b>
GDSN 110     History of Graphic Design.....	3
GDSN 150     Typography.....	3
GDSN 162     Introduction to Web Design.....	3
GDSN 164     Digital Illustration Design.....	3
GDSN 172     Publication Design.....	3
GDSN 178     Digital Imaging Design.....	3

**Units Required**         **18**

*\*Prerequisite*

# GRAPHIC DESIGN: PACKAGING DESIGN

DIVISION OF ARTS AND CULTURAL PROGRAMS

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## CERTIFICATE OF ACHIEVEMENT

The courses required in this certificate provide the foundational skills needed to create effective Packaging Design solutions. Print and digital packaging require the designer to be versed in the manipulation of visual imagery, the use of typography as well as the Principles and Elements of design. Research and development of both the client and audience are also essential components in creating effective packaging solution concepts.

To acquire the **Certificate of Achievement in Graphic Design: Packaging Design**, it is necessary to complete the following courses:

Required Courses	Units
GDSN 150      Typography.....	3
GDSN 164      Digital Illustration Design.....	3
GDSN 174      *Packaging Design.....	3
GDSN 178      Digital Imaging Design.....	3

**Units Required**    12

*\*Prerequisite*

# HOMELAND SECURITY

DIVISION OF PUBLIC SAFETY

## ASSOCIATE OF SCIENCE DEGREE

The Associate of Science Degree in Homeland Security is designed to prepare students to meet the needs of entry-level positions in the Homeland Security career fields. The curriculum will prepare students with a foundation of the Homeland Security Enterprise and provide them with the knowledge to enter varied career fields that plan for and respond to the security of people, places and programs. The skills developed during class will enhance the student’s ability by completing industry-recognized third-party Federal Emergency Management Agency (FEMA) certification courses as part of each class in the core program. The Homeland Security Degree program is designed for First Responders, government officials, emergency managers as well as the citizen interested in personal and community safety and security.

To acquire the **Associate of Science Degree in Homeland Security**, it is necessary to complete the following courses with a grade of “C” or better:

<b>Required Courses</b>	<b>Units</b>
HMLD 101 Introduction to Homeland Security.....	3
HMLD 102 Introduction to Emergency Management.....	3
HMLD 103 Terrorism & Violence in Society.....	3
HMLD 104 Emergency Planning & Response.....	3
HMLD 105 Mitigating Hazards in Emergency Management.....	3

**Choose a minimum of 9 units from the following:**

AJ 101 Introduction to Administration of Justice.....	3
AJ 102 Criminal Procedures.....	3
AJ 104 Legal Aspects of Evidence.....	3
AJ 105 Community Relations/Multi-Cultural Issues within Public Service.....	3
AJ 106 Criminal Law I.....	3
AJ 107 Criminal Law II.....	3
GIS 281 Crime Mapping and Analysis.....	4

**OR**

FTEC 101 Fire Protection Organization.....	3
FTEC 102 Principles of Fire & Emergency Services Safety & Survival...3	3
FTEC 103 Fire Behavior and Combustion.....	3
FTEC 104 Fire Prevention Technology.....	3
FTEC 105 Building Construction for Fire Protection.....	3
FTEC 106 Fire Protection Equipment and Systems.....	3
WFT 101 Wildland Fire Behavior.....	3
WFT 102 Wildland Fire Fighter Safety and Survival.....	4
WFT 103 Wildland Fire Operations (Ground Air).....	3
WFT 104 Wildland Fire Investigation, Prevention and Public Information.....	3
WFT 105 Wildland Fire Logistics, Finance and Planning.....	3

**Units Required**

**24**

# HOMELAND SECURITY

DIVISION OF PUBLIC SAFETY

## CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Homeland Security is designed to prepare students to meet the needs of entry-level positions in the Homeland Security career fields. The curriculum will prepare students with a foundation of the Homeland Security Enterprise and provide them with the knowledge to enter varied career fields that plan for and respond to the security of people, places and programs. The skills developed during class will enhance the student's ability by completing industry-recognized third-party Federal Emergency Management Agency (FEMA) certification courses as part of each class in the core program. The Homeland Security program is designed for First Responders, government officials, emergency managers as well as the citizen interested in personal and community safety and security.

To acquire the **Certificate of Achievement in Homeland Security**, it is necessary to complete the following courses with a grade of "C" or better:

<b>Required Courses</b>	<b>Units</b>
HMLD 101 Introduction to Homeland Security.....	3
HMLD 102 Introduction to Emergency Management.....	3
HMLD 103 Terrorism & Violence in Society.....	3
HMLD 104 Emergency Planning & Response.....	3
HMLD 105 Mitigating Hazards in Emergency Management.....	3

**Choose one course from the following:**

AJ 101 Introduction to Administration of Justice.....	3
FTEC 101 Fire Protection Organization.....	3
WFT 101 Wildland Fire Behavior.....	3
GIS 281 Crime Mapping and Analysis.....	4

**Units Required**            **18-19**

# INFANT/TODDLER SPECIALIZATION

DIVISION OF BEHAVIORAL AND SOCIAL SCIENCE

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## CERTIFICATE OF ACHIEVEMENT

The following courses will prepare students to work with infants and toddlers by providing developmental information regarding this age group and techniques to facilitate and support the care and education of infants and toddlers.

To acquire the **Certificate of Achievement in Infant/Toddler Specialization**, it is necessary to complete the following courses:

Required Courses	Units
CD 106 Child Growth and Development.....	3
CD 110 Principles and Practices of Early Childhood Education.....	3
CD 211 Infant and Toddler Development.....	3
CD 213 Care and Education for Infants and Toddlers.....	3

**Units Required**                    **12**

*\*Prerequisite*



# LANGUAGE AND LITERACY SPECIALIZATION

DIVISION OF BEHAVIORAL AND SOCIAL SCIENCE

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## CERTIFICATE OF ACHIEVEMENT

The following courses will prepare students to effectively facilitate and support the language development of children. It will also provide essential information regarding Emergent Literacy and how it supports the development of effective reading skills in children.

To acquire the **Certificate of Achievement in Language and Literacy Specialization**, it is necessary to complete the following courses:

<b>Required Courses</b>		<b>Units</b>
CD 106	Child Growth and Development.....	3
CD 110	Principles and Practices of Early Childhood Education.....	3
CD 120	Experiences in Language Arts.....	3
CD 229	Literacy Development for Children.....	3

**Units Required**                      **12**

*\*Prerequisite*

# PIPE WELDING AND FABRICATION

DIVISION OF CAREER & TECHNICAL EDUCATION

## CERTIFICATE OF ACHIEVEMENT

The courses required in this certificate compile a comprehensive list of job related skills needed for Pipe Welding and Fabrication. The skills acquired during this program will prepare an individual to take and pass AWS B2.1 SMAW 6G pipe welding performance exam. Which also align with standards and qualifications per the American Welding Society (AWS), American Society of Mechanical Engineers (ASME) and American Petroleum Institute (API).

To acquire the **Certificate of Achievement in Pipe Welding and Fabrication**, it is necessary to complete the following courses:

Required Courses	Units
WELD 081 *Pipe Welding – Level 1.....	4
WELD 082 *Pipe Layout and Fabrication.....	4
WELD 083 *Pipe Welding II.....	4
WELD 084 *Pipe Welding – Level III.....	4
WELD 055 *Manual Electric Arc Welding Processes.....	4
WELD 050 *Semi-Automatic Welding Processes.....	4

**Units Required 24**

*\*Prerequisite*

# SPECIAL EDUCATION SPECIALIZATION

DIVISION OF BEHAVIORAL AND SOCIAL SCIENCE

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## CERTIFICATE OF ACHIEVEMENT

The following courses will prepare students to work with children with special needs by providing introductory information regarding the types of special needs, statutory requirements for providing educational programming for children with special needs and techniques to facilitate and support the learning of children with special needs.

To acquire the **Certificate of Achievement in Special Education Specialization**, it is necessary to complete the following courses:

<b>Required Courses</b>	<b>Units</b>
CD 106      Child Growth and Development.....	3
CD 110      Principles and Practices of Early Childhood Education.....	3
CD 226      Introduction to Children with Special Needs.....	3
CD 232      Curriculum and Strategies for Children with Special Needs...	3

**Units Required**                      **12**

*\*Prerequisite*

# STRENGTH AND PERFORMANCE COACH

DIVISION OF KINESIOLOGY, DANCE AND ATHLETICS

## CERTIFICATE OF ACHIEVEMENT

The Strength and Performance Coach Certificate of Achievement is designed to prepare students for employment as a professional to enhance the performance of sport and tactical (police, fire, military) athletes. It is possible to complete this certificate in one calendar year. The curriculum has been designed to equip the student with the background, both theoretical and practical, to pursue a job promoting the physical conditioning of athletes. Strength and conditioning coaches also assist with the injury prevention and proper mechanics of athletes within their specific sport.

Courses in nutrition, exercise physiology, exercise testing and prescription, first aid, strength and conditioning biomechanics/anatomy, and injury prevention will prepare the student for responsibilities in the field of strength and conditioning. The program will also expose students to other areas such as fitness, health promotion, coaching, pre-allied health, and medical fields.

To acquire the **Certificate of Achievement in Strength and Performance Coach**, it is necessary to complete the following courses:

Required Courses	Units
KIN 122	Nutrition for Sport and Fitness.....3
KIN 126	Principles of Strength and Conditioning.....3
KIN 127	Exercise Physiology.....3
KIN 128	Fitness Testing and Exercise Prescription.....3
KIN 188 or	Theory and Practice of Coaching.....3
KIN 159	Leadership Empowerment of Sport.....3
KIN 193 or	Standard First Aid and C.P.R.....3
KIN 197	Prevention and Treatment of Athletic Injuries.....3
KIN 226	*Advanced Training Principles for Sport and Tactical Athletes.....3
KIN 290	*Cooperative Work Experience/Internship for Athletic Training.....1

**Units Required** 22

\*Prerequisite

# YOGA TEACHING TRAINING CERTIFICATION

DIVISION OF KINESIOLOGY, DANCE AND ATHLETICS

## CERTIFICATE OF ACHIEVEMENT

The Yoga Teacher Training Certificate Program prepares students for employment as a certified yoga instructor to lead both group classes and private individual sessions. It is possible to complete this certificate in one calendar year. The curriculum has been designed to equip the student with the background, both theoretical and practical, to pursue a job in gyms, recreational centers, colleges, after school programs, and private studios.

Courses include yoga laboratories, anatomy, movement analysis, instructional theory, foundational and methodological aspects of yoga, asanas (poses), sequencing, delivery, body alignment, philosophy, and working with people who have special medical needs or injuries. Yoga instructors also implement a mind-body-spirit connection, providing a supportive and nurturing environment while being mindful of individualized needs to engage the physical, mental, and spiritual bodies. The program will enable students to become Yoga Alliance certified at the 200-hour level.

To acquire the **Certificate of Achievement in Yoga Teacher Training Certification**, it is necessary to complete the following courses:

Required Courses	Units
KIN 145      Theory and Analysis of Fitness Instruction.....	2
KIN 146      Training Principles for Special Populations.....	2
KIN 058      *Yoga Teacher Training I: Foundations.....	3
KIN 059      *Yoga Teacher Training II: Methodologies.....	3
KINA 158     Yoga I.....	1
KINA 258     *Yoga II.....	1

**Units Required**                      12

*\*Prerequisite*

**REVISED**

**DEGREES**

**AND**

**CERTIFICATES**

# CARPENTRY – SCAFFOLD CONSTRUCTION

DIVISION OF CAREER and TECHNICAL EDUCATION

## ASSOCIATE OF SCIENCE DEGREE

The Carpentry – Scaffold Construction Associate of Science Degree is designed to prepare students to meet the needs of the State Indentured Apprenticeship (program/system/standards) within the State of California who are interested in careers in the carpentry industry.

Students will gain the skills and knowledge that allow a person to work in the carpentry industry in compliance with governmental regulations and at the same time protect human health and the environment.

To acquire the **Associate of Science Degree in Carpentry – Scaffold Construction**, it is necessary to complete the graduation requirements of the College along with the following courses with a grade of “C” or better:

Required Courses	Units
CARP 040A	*Orientation.....2
CARP 040B	*Safety and Health Certifications.....2
CARP 040R	*Tool/Equipment Application.....1.5
CARP 070A	*Basic Frame Scaffold.....1.5
CARP 070B	*Basic System Scaffold.....1.5
CARP 070C	*Basic Tube and Clamp Scaffold.....1.5
CARP 070D	*Basic Suspend Scaffold.....1.5
CARP 070E	*Intermediate Frame Scaffold.....1.5
CARP 070F	*Intermediate System Scaffold.....1.5
CARP 040C	*Print Reading.....2
CARP 070G	*Advanced Frame Scaffold.....1.5
CARP 070H	*Advanced System Scaffold.....1.5
CARP 290	* Work Experience (CWE).....8-12

**Units Required**                    27.5 – 31.5

*\*Prerequisites*

# CARPENTRY – SCAFFOLD CONSTRUCTION

DIVISION OF CAREER and TECHNICAL EDUCATION

## CERTIFICATE OF ACHIEVEMENT

The Carpentry – Scaffold Construction Certificate is designed to prepare students to meet the needs of the State Indentured Apprenticeship (program/system/standards) within the State of California who are interested in careers in the carpentry industry.

Students will gain the skills and knowledge that allow a person to work in the carpentry industry in compliance with governmental regulations and at the same time protect human health and the environment.

To acquire the **Certificate of Achievement in Carpentry – Scaffold Construction**, it is necessary to complete the following courses with a grade of “C” or better:

Required Courses	Units
CARP 040A	*Orientation.....2
CARP 040B	*Safety and Health Certifications.....2
CARP 040R	*Tool/Equipment Application.....1.5
CARP 070A	*Basic Frame Scaffold.....1.5
CARP 070B	*Basic System Scaffold.....1.5
CARP 070C	*Basic Tube and Clamp Scaffold.....1.5
CARP 070D	*Basic Suspend Scaffold.....1.5
CARP 070E	*Intermediate Frame Scaffold.....1.5
CARP 070F	*Intermediate System Scaffold.....1.5
CARP 040C	*Print Reading.....2
CARP 070G	*Advanced Frame Scaffold.....1.5
CARP 070H	*Advanced System Scaffold.....1.5
CARP 290	* Work Experience (CWE).....8-12

**Units Required**      27.5 – 31.5

*\*Prerequisites*



# CONSTRUCTION ENGINEERING MANAGEMENT

DIVISION OF CAREER and TECHNICAL EDUCATION

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## ASSOCIATE OF SCIENCE DEGREE

The identified curriculum will prepare students for employment as Civil Engineering technicians – specifically with respect to construction support positions. The coursework incorporates concepts and theory of construction as well as practical application of construction management tasks.

The degree additionally provides a framework of study that is common in Bachelor's-level programs for explicitly this field of study.

To acquire the **Associate of Science Degree in Construction Engineering Management**, it is necessary to complete the graduation requirements of the College, along with the following:

Required Courses	Units
ARCH 110	Construction Document Reading and Estimating.....3
ARCH 115	Introduction to Residential Architecture: Drawing and Design.....4
ARCH 225	*Commercial Wood & Masonry Design and Construction.....4
CIV 140	Civil Engineering Fundamentals.....3
CIV 210	Concrete Technology and Testing.....2
ENGR 235	*Engineering Mechanics: Statics.....3
ACCT 203	*Introduction to Cost Accounting.....3
MATH 130 or	*Statistics.....4
MATH 130H	*Statistics Honors.....4

**Units Required**     26

*\*Prerequisite*

# GRAPHIC DESIGN

DIVISION OF ARTS & CULTURAL PROGRAMS

## ASSOCIATE OF SCIENCE DEGREE

The Associate of Science Degree in Graphic Design prepares students for entry in graphic design and associated communication design industries and assists students seeking an undergraduate degree at a four-year institution. Courses listed in the degree provide the student with the technical and critical-thinking skills needed to produce and present visual communication solutions. This degree will enable students to build a portfolio of graphic design work in-line with industry standards and expectations including (but not limited to) branding and identity design, publication design, advertising and entertainment design, package design, website and interaction design, and other types of communication design.

NOTE: Students interested in transferring as a Graphic Design major should consult with a counselor for appropriate general education & major preparation counseling.

To acquire the **Associate of Science Degree in Graphic Design**, it is necessary to complete the graduation requirements of the College, along with the following:

Required Courses	Units
ART 124	Color Theory.....3
GDSN 110	History of Graphic Design.....3
GDSN 150	Typography.....3
GDSN 162	Introduction to Web Design: User Experience Design (UX) .....3
GDSN 163	*Intermediate Web Design: Interactive Design.....3
GDSN 164	Digital Illustration Design.....3
GDSN 165	*Branding and Identity Design.....3
GDSN 172	Publication Design.....3
GDSN 178	Digital Imaging Design.....3
GDSN 179	*Advanced Digital Imaging Design..3

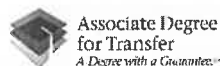
**Units Required 30**

*\*Prerequisite*

# KINESIOLOGY

DIVISION OF KINESIOLOGY, DANCE, AND ATHLETICS

## ASSOCIATE IN ARTS IN KINESIOLOGY FOR TRANSFER



### *Associate in Arts in Kinesiology for Transfer*

The Associate in Arts in Kinesiology for Transfer is designed to provide students preparing to transfer with the foundation to complete a Bachelor's Degree in Kinesiology. Students will be able to pursue careers in teaching, coaching, physical therapy, athletic training, and adaptive physical education.

The Associate in Arts in Kinesiology for Transfer (AA-T) Degree is intended to meet the lower division requirements for Kinesiology majors (or similar majors) at a CSU campus that offers a Kinesiology baccalaureate degree.

This degree is designed for the transfer-oriented student who seeks to explore Kinesiology in preparation for a Bachelor's degree. Students will gain information and experience in areas that will prepare them for a job or a career in the field of teaching, youth or professional sports, coaching, fitness and health industry, physical therapy, athletic training, sports management, and lifesaving skills in First Aid and C.P.R. The degree will provide students the opportunity to pursue work in: youth sports and summer camps, in the fitness industry, assisting physical education professionals and creating new business opportunities in the area of physical activity and sports.

**In addition to the courses listed below, the following additional requirements must be met for completion of the AA-T Associate in Arts in Kinesiology for Transfer:**

1. Completion of 60 CSU-transferable units.
2. Achievement of a minimum GPA of at least 2.0 in all CSU-transferable coursework. (Some majors may require a higher GPA. Students should consult with a counselor for more information.)
3. Completion of the 22-23 semester units in the major with a grade of "C" or better.
4. Certified completion of the California State University General Education-Breadth (CSU GE) pattern; OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

Students are advised to check with the Counseling Department or Transfer Center for the courses accepted into the Kinesiology major at the CSU where they seek transfer.

Required Courses	Units
BIOL 125 Human Anatomy .....	4
BIOL 226 *Human Physiology.....	4
KIN 194 Introduction to Kinesiology .....	3

Movement Based Courses - Select a maximum of one (1) course from any three (3) of the following areas for a minimum of three (3) units:

#### **AQUATICS**

KINA 117 Swimming I .....	1
KINA 217 Swimming II .....	1

#### **COMBATIVE**

KINA 124 Self-Defense .....	1
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#### **DANCE**

DANC 150 Introduction to World Dance.....	1
DANC 151 Modern Dance .....	1
DANC 153 Ballet I.....	1
DANC 154 Jazz Dance I.....	1
DANC 157 Hip-Hop Dance.....	1
DANC 168 Latin Social Dance.....	1
DANC 251 Modern Dance II.....	1

DANC 253	Ballet II.....	1
DANC 254	Jazz Dance II.....	1

**FITNESS**

DANC 114	Conditioning and Alignment for the Dancer.....	1
KINA 120	Swim for Fitness.....	1
KINA 130	Lifelong Fitness Laboratory.....	1
KINA 132	Aqua Aerobics.....	1
KINA 134	Cardio Boot Camp.....	1
KINA 136	Pilates Mat I.....	1
KINA 139	Cross Training for Fitness.....	1
KINA 140	Fitness Walking.....	1
KINA 148	Strength Training.....	1
KINA 158	Yoga.....	1
KINA 230	Lifelong Fitness Center II: Cardiovascular Fitness.....	1
KINA 258	Yoga II.....	1

**INDIVIDUAL SPORTS**

KINA 101	Tennis I.....	1
KINA 107	Badminton I.....	1
KINA 113	Golf I.....	1

**TEAM SPORTS**

KINA 103	Softball I.....	1
KINA 104	Volleyball I.....	1
KINA 105	Basketball I.....	1
KINA 108	Water Polo I.....	1
KINA 109	Soccer I.....	1
KINA 110	Futsal (Indoor Soccer).....	1
KINA 133	Wrestling I.....	1
KINA 201	Tennis II.....	1
KINA 204	Volleyball II.....	1
KINA205	Basketball II.....	1
KINA207	Badminton II.....	1
KINA 209	Soccer II.....	1
KINA 213	Golf II.....	1

**Choose 2 courses from the following:**

MATH 130 or	*Statistics.....	4
MATH 130H or	*Statistics Honors.....	4
PSY 190	*Statistics for the Behavioral Sciences.....	4
CHEM 130	*General Chemistry.....	5
PHY 150 or	*General Physics I.....	4
PHY 211	*Physics for Scientists and Engineers I.....	4
KIN 193	First Aid and C.P.R.....	3

Required Subtotal..... 22 - 23

CSU GE or IGETC Pattern .....Varies  
Transferable Electives (as needed to reach 60 transferable units)

**Degree Total 60**

\*Prerequisite

# MUSIC

## DIVISION OF ARTS & CULTURAL PROGRAMS

### ASSOCIATE OF ARTS DEGREE

The Associate of Arts Degree in Music is a two-year program designed to prepare students for the continued study of music and/or future professional employment in the field of music. Students entering the program with the intent to perform and/or compose will gain valuable experience and performance skills performing in, and composing for our various choirs and our unique multi-instrument ensembles. The various levels of study in vocal, instrumental, theory, musicianship, keyboard skills, music technology, and composition will supply students with the necessary abilities to excel in those areas when they complete the music program at Rio Hondo College.

To acquire the **Associate of Arts Degree in Music**, it is necessary to complete the graduation requirements of the College along with the following courses:

Required Courses	Units
MUST 101 Introduction to Music Technology.....	3
MUS 103 Music Theory I.....	3
MUS 104 *Music Theory II.....	3
MUS 105 *Music Theory III.....	3
MUS 206 *Music Theory IV.....	3
MUS 106 Musicianship I.....	1
MUS 107 *Musicianship II.....	1
MUS 156 *Musicianship III.....	1
MUS 157 *Musicianship IV.....	1
MUS 145 Piano I.....	1
MUS 146 *Piano II.....	1
MUS 147 *Piano III.....	1

**Choose 1 course from the following:**

**Each of the following is a 2 unit course that must be taken 4 times:**

MUS 216	*Industrial Orchestra.....8 (Must be taken 4 times)
MUS 134	*Chamber Singers.....8 (Must be taken 4 times)
MUS 234	*Advanced Chamber Singers.....8 (Must be taken 4 times)

**Units Required 30**

*\*Prerequisite*

The Music Department also recommends the completion of the following classes in History and Performance:

MUS 130	Music History before 1750.....3
MUS 131	Music History after 1750.....3
MUS 181	*Applied Music.....(.5)

# NUTRITION AND DIETETICS

DIVISION OF HEALTH SCIENCE & NURSING

## ASSOCIATE IN SCIENCE IN NUTRITION AND DIETETICS FOR TRANSFER



### Associate Degree for Transfer *A Degree with a Guarantee.™*

#### *Associate in Science in Nutrition and Dietetics for Transfer*

The **Associate in Science in Nutrition and Dietetics for Transfer (AS-T) Degree** is intended to meet the lower division requirements for Nutrition and Dietetics majors (or similar majors) at a CSU campus that offers a Nutrition and Dietetics baccalaureate degree. This degree is designed for students interested in an introduction to the field of Nutrition and Dietetics and for students looking to further their understanding of nutrition and health. These courses will provide students with a solid foundation in nutrition that will serve them for either transferring or in the workplace.

**In addition to the courses listed below, the following additional requirements must be met for completion of the AS-T Degree in Nutrition and Dietetics:**

1. Completion of a minimum of 60 CSU-transferable semester units.
2. Achievement of a minimum GPA of at least 2.0 in all CSU-transferable coursework. (Some majors may require a higher GPA. Students should consult with a counselor for more information.)
3. Completion of the 27-29 semester units in the major with a grade of "C" or better, or a "P" if the course is taken on a pass-no pass basis.
4. Certified completion of the California State University General Education-Breadth (CSU GE) pattern; OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

Students are advised to check with the Counseling Department or Transfer Center for the courses accepted into the Nutrition and Dietetics major at the CSU where they seek transfer.

<b>Required Courses</b>		<b>Units</b>
NUTR 110	Introduction to Nutrition Science.....	3
PSY 101 or PSY 101H	Introduction in Psychology..... *Honors	3
CHEM 130	*General Chemistry .....	5
BIOL 222	*Microbiology .....	5
NUTR 120	Principles of Food with Lab .....	3

**Required Course Units..... 19**

*Choose two courses from LIST A (8-10 units):*

<b>LIST A</b>		
CHEM 140	*General Chemistry .....	5
CHEM 230	*Organic Chemistry I.....	5
BIOL 125	Human Anatomy with Lab.....	4
BIOL 226	*Human Physiology with Lab .....	4
MATH 130 or MATH 130H	*Introduction to Statistics .....	4
PSY 190	*Introduction to Statistics Honors..... *Statistics for the Behavioral Sciences...4	4

**Required Subtotal ..... 27-29**

CSU GE or IGETC Pattern ..... Varies  
Transferable Electives (*as needed to reach 60 transferable units*)

**Degree Total 60**

*\*Prerequisite*

**NEW**

**NON CREDIT**

**CERTIFICATES**

# FOUNDATIONAL ENGLISH AS A SECOND LANGUAGE

DIVISION OF COMMUNICATIONS AND LANGUAGES

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## NONCREDIT CERTIFICATE OF COMPETENCY

Students who complete, in sequence, NESL 001-Beginning I and NESL 015-Beginning II earn the Certificate of Competency in Foundational English as a Second Language. The Certificate, approved by the Chancellor's Office, indicates a student's successful acquisition of essential English language skills necessary for short conversations and for reading/writing at the sentence level.

To acquire the **Noncredit Certificate of Competency in Foundational English as a Second Language**, it is necessary to complete the following courses:

<b>Required Courses</b>	<b>Units</b>
NESL 001     ESL Beginning I.....	0
NESL 015     ESL Beginning II.....	0
<b>Units Required</b>	<b>0</b>



# INTERMEDIATE ENGLISH AS A SECOND LANGUAGE

DIVISION OF COMMUNICATIONS AND LANGUAGES

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## NONCREDIT CERTIFICATE OF COMPETENCY

Students who complete, in sequence, NESL 016-Intermediate I and NESL 017-Intermediate II, earn the Certificate of Competency in Intermediate English as a Second Language. The Certificate, approved by the Chancellor's Office, indicates a student's successful acquisition of English language skills necessary for extended conversations and for reading/writing at the paragraph level.

To acquire the **Noncredit Certificate of Competency in Intermediate English as a Second Language**, it is necessary to complete the following courses:

<b>Required Courses</b>	<b>Units</b>
NESL 016      ESL Intermediate I.....	0
NESL 017      ESL Intermediate II.....	0
<b>Units Required</b>	<b>0</b>

# ADVANCED ENGLISH AS A SECOND LANGUAGE

DIVISION OF COMMUNICATIONS AND LANGUAGES

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## NONCREDIT CERTIFICATE OF COMPETENCY

Students who complete, in sequence, NESL 017-Intermediate II and NESL 018-Advanced I earn the Certificate of Competency in Advanced English as a Second Language. The Certificate, approved by the Chancellor's Office, indicates a student's successful acquisition of essential English language skills necessary for extended conversations in social and professional contexts and for reading/writing at the composition level for personal and academic purposes.

To acquire the **Noncredit Certificate of Competency in Advanced English as a Second Language**, it is necessary to complete the following courses:

Required Courses	Units
NESL 017      ESL Intermediate II.....	0
NESL 018      ESL Advanced I.....	0
	<b>Units Required      0</b>

# ENGLISH AS A SECOND LANGUAGE FOR COLLEGE PREPARATION

DIVISION OF COMMUNICATIONS AND LANGUAGES

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## NONCREDIT CERTIFICATE OF COMPETENCY

Students who complete, in sequence, NESL 018-Advanced I and NESL 019-Advanced II earn the Certificate of Competency in English as a Second Language for College Preparation. The Certificate, approved by the Chancellor's Office, indicates a student's successful acquisition of English language skills necessary for engaged participation in various academic programs at the college level.

To acquire the **Noncredit Certificate of Competency in English as a Second Language for College Preparation**, it is necessary to complete the following courses:

Required Courses	Units
NESL 018      ESL Advanced I.....	0
NESL 019      ESL Advanced II: College Preparation.....	0
	<b>Units Required      0</b>

# REAL ESTATE PRACTICE AND FINANCE

DIVISION OF BUSINESS

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## NONCREDIT CERTIFICATE OF COMPLETION

Students who successfully complete NVOC 038 Real Estate Practice and NVOC 039 Real Estate Finance (in any sequence) earn the *Certificate of Completion in Real Estate Practice and Finance*. The Certificate, approved by the California Community College Chancellor's Office, indicates a student's qualified fulfillment of the specified education courses required for the California Real Estate Salesperson's License and the California Real Estate Broker License exams, as stipulated by the California Department of Real Estate.

To acquire the **Noncredit Certificate of Completion in Real Estate Practice and Finance**, it is necessary to complete the following courses:

Required Courses	Units
NVOC 038    Real Estate Practice.....	0
NVOC 039    Real Estate Finance.....	0
<b>Units Required</b>	<b>0</b>

# REAL ESTATE PRINCIPLES AND APPRAISAL

DIVISION OF BUSINESS

## NONCREDIT CERTIFICATE OF COMPLETION

Students who successfully complete NVOC 040 Real Estate Principles and NVOC 041 Real Estate Appraisal (in any sequence) earn the *Certificate of Completion in Real Estate Principles and Appraisal*. The Certificate, approved by the California Community College Chancellor's Office, indicates a student's qualified fulfillment of the specified education courses required for the California Real Estate Salesperson's License and the California Real Estate Broker License exams, as stipulated by the California Bureau of Real Estate

To acquire the **Noncredit Certificate of Completion in Real Estate Principles and Appraisal**, it is necessary to complete the following courses:

Required Courses	Units
NVOC 040 Real Estate Principles.....	0
NVOC 041 Real Estate Appraisal.....	0
<b>Units Required</b>	<b>0</b>

**NEW**

**AND**

**REVISED**

**COURSES**

## **New Courses Effective Spring 2019**

### **PAC 075E – Basic Academy Intensive Modular III**

**Description:** This course is designed for those interested in becoming a Level III Reserve officer. This course covers criminal law, evidence, investigations, firearms, arrest and control, vehicle operations, report writing, first aid/CPR, cultural diversity, and other related police topics. It is the level of training which satisfies the legal requirements for a Level III Reserve officer.

**7 Units**

**99 Lecture hours**

**81 Lab hours**

### **PAC 075F – Basic Academy Intensive Modular II**

**Description:** This course is designed for those interested in becoming a Level II Reserve officer. This course covers criminal law, evidence, investigations, firearms, arrest and control, vehicle operations, report writing, first aid/CPR, cultural diversity, and other related police topics. It is the level of training which satisfies the legal requirements for a Level II Reserve officer.

**8.5 Units**

**117 Lecture hours**

**108 Lab hours**

### **PAC 075G – Basic Academy Intensive Modular I**

**Description:** This course is designed for those interested in becoming a Post Certified Police Officer. This course covers criminal law, evidence, investigations, firearms, arrest and control, vehicle operations, report writing, first aid/CPR, cultural diversity, and other related police topics. It is the level of training which satisfies the legal requirements for a Post Certified Police Officer.

**21.5 Units**

**297 Lecture hours**

**270 Lab hours**

## **Revised Courses Effective Spring 2019**

### **PAC 075B – Basic Course - Modular III (Ext)**

**Description:** This course is designed for those interested in becoming a Level III Reserve officer. This course covers criminal law, evidence, investigations, firearms, arrest and control, vehicle operations, report writing, first aid/CPR, cultural diversity, and other related police topics. It is the level of training which satisfies the legal requirements for a Level III Reserve officer.

**7 Units**

**99 Lecture hours**

**81 Lab hours**

### **PAC 075C – Basic Course - Modular II (Ext)**

**Description:** This course is designed for those interested in becoming a Level II Reserve officer. This course covers criminal law, evidence, investigations, firearms, arrest and control, community relations, report writing, cultural diversity, and other related police topics. It is training which satisfies the legal requirements for a Level II Reserve officer and can be used as a Prerequisite for the PAC 075D Module I Course.

**8.5 Units**

**117 Lecture hours**

**108 Lab hours**

### **PAC 075D – Basic Course - Modular I (Ext)**

**Description:** This course is designed for those interested in becoming a Level I Reserve officer or a regular peace officer. This course covers criminal law, evidence, investigations, firearms, arrest and control, emergency vehicle operation, and other related police topics. It is the final level of training which constitutes satisfaction of the Regular Basic Course training requirement and the legal requirements for a Level I Reserve officer and a regular police officer in accordance with Commission on Peace Officer Standards and Training requirements.

**21.5 Units**

**297 Lecture hours**

**270 Lab hours**