

Community College of Denver

Addendum to the 2016-2017 Online and Printed Catalogs

Additions/Changes in Yellow

This addendum is an integral part of the college's 2016-2017 Academic Catalog; the purpose of this document is to amend current information or include additional information. The information published herein is effective for the 2016-2017 school year.

If any of these changes impact a student's ability to graduate, please contact the dean for the area in question.

Transferring credit to CCD

CCD will accept transfer credit from post-secondary institutions accredited by one of the seven regional accrediting associations. Credits earned at nationally accredited or unaccredited institutions may be considered for transfer, and will be evaluated on a course-by-course basis.

Added Programs

Note: The following added programs are not new to CCD but were omitted from the printed version of 2016-2017 catalog.

Associate of Arts Degree – Early Childhood Education Designation

The following courses represent the state-wide transfer agreement between the Colorado Community College System and all Colorado four-year institutions offering Early Childhood Teacher Education preparation programs. The first 54 credit hours are common for all transfer institutions. The final 6 elective credits must be determined with the assistance of an advisor as they are specific to the receiving institution. The four-year college or university will accept all credits in the student's early childhood education graduation agreement earned within 10 years of transfer. Courses earned more than 10 years earlier will be evaluated on an individual basis. All interested students should meet with an Academic Advisor to select appropriate electives.

General Education Required Courses

English:

ENG 121	English Composition I: GT-CO1	3
ENG 122	English Composition II: GT-CO2	3

Mathematics:

Select one of the following: 6-7

MAT 120	Math for Liberal Arts: GT-MA1	
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or

MAT 121	College Algebra: GT-MA1	
MAT 135	Intro to Statistics: GT-MA1	

or

MAT 155	Integrated Math I	
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MAT 156	Integrated Math II	
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Arts & Humanities:

Select two courses from the following: 6

ART 110	Art Appreciation: GT-AH1	
LIT 115	Introduction to Literature I: GT-AH2	

LIT 255	Children`s Literature	
MUS 120	Music Appreciation: GT-AH1	
<i>History:</i>		
HIS 121	U.S. History to Reconstruction: GT-HI1	3
<i>Social & Behavioral Sciences:</i>		
GEO 105	World Regional Geography: GT-SS2	3
POS 111	American Government: GT-SS1	3
<i>Natural & Physical Sciences:</i>		
SCI 155	Integrated Science with Lab: GT-SC1	4
SCI 156	Integrated Science II with Lab: GT-SC1	4
	Subtotal	35-36

Additional Required Courses

COM 115	Public Speaking	3
ECE 101	Introduction to Early Childhood Education	3
ECE 102	Introduction to Early Childhood Lab Techniques	3
<i>Select one of the following:</i>		1
ECE 188	Practicum: Early Childhood Education	
ECE 209	Observing and Utilizing Young Children's Assessment Instruments	
ECE 236	Child Growth/Development Laboratory	
ECE 205	Nutrition, Health and Safety	3
ECE 238	Child Growth and Development	3
ECE 241	Administration:	
	Human Relations for Early Childhood Education	3
	Subtotal	19

Electives

<i>Select six credits determined by the receiving 4-year institution. ²</i>		6
	Subtotal	6
	Total Credits	60-61

NOTE: Course substitutions are not permitted for any Statewide Transfer Degree program.

If, because course substitutions are not permitted, a student is not able to complete this Statewide Transfer Degree plan, the student should see an Academic Advisor for guidance.

Associate of Arts Degree – Elementary Education Designation

The following courses represent the statewide transfer agreement between the Colorado Community College System and all Colorado four-year institutions offering Elementary Education teacher preparation programs. The first 41 credit hours are common for all transfer institutions. The final 19 elective credits must be determined with the assistance of an advisor as they are specific to the receiving institution. ENG 121 must be completed with a grade of B or better for transfer. The four-year college or university will accept all credits in the student's education graduation agreement earned within 10 years of transfer. Courses earned more than 10 years earlier will be evaluated on an individual basis. All interested students should contact their Academic Advisor to select appropriate electives.

Required Courses that fulfil General Education Requirements

English:

ENG 121	English Composition I: GT-CO1	3
ENG 122	English Composition II: GT-CO2	3

Communication:

COM 115	Public Speaking	3
<i>Mathematics:</i>		
MAT 155	Integrated Math I	3
MAT 156	Integrated Math II	3
<i>Arts & Humanities:</i>		
<i>Select one of the following:</i>		3
LIT 115	Introduction to Literature I: GT-AH2	
LIT 201	World Literature to 1600: GT-AH2	
LIT 202	World Literature After 1600: GT-AH2	
LIT 211	American Literature to Civil War: GT-AH2	
LIT 221	Survey of British Literature: GT-AH2 2	
<i>History:</i>		
HIS 121	U.S. History to Reconstruction: GT-HI1	3
<i>Social & Behavioral Sciences:</i>		
GEO 105	World Regional Geography: GT-SS2	3
POS 111	American Government: GT-SS1	3
<i>Physical & Biological Sciences:</i>		
SCI 155	Integrated Science with Lab: GT-SC1	4
SCI 156	Integrated Science II with Lab: GT-SC1 3	4
<i>Education Requirements:</i>		
EDU 221	Introduction to Education	3
PSY 238	Child Development: GT-SS3	3
	Subtotal	41
<i>Electives</i>		
	Select 19 credits ²	19
	Subtotal	19
	Total Credits	60

¹ Some educator preparation programs require a Bin ENG 121 as an admission requirement. However, a C or better guarantees the general education GT-CO1 requirement has been met.

² To be determined by home and transferring institution. See an Academic Advisor for more information.

³ Students must successfully pass BOTH SCI 155 & 156 to satisfy the gtPathways science requirement.

NOTE: Course substitutions are not permitted for any Statewide Transfer Degree program.

If, because course substitutions are not permitted, a student is not able to complete this Statewide Transfer Degree plan, the student should see an Academic Advisor for guidance.

Associate of Arts Degree Art Studio Art Designation

General Education Course Requirements

Communication

ENG 121	English Composition I: GT-CO1	3
ENG 122	English Composition II: GT-CO2	3

or

ENG 121	English Composition I: GT-CO1 and a 1 GT-CO3 course	3
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<i>Mathematics</i>		3
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One guaranteed transfer mathematics course (GT-MA1)

<i>Arts & Humanities</i>		6
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Two guaranteed transfer Arts & Humanities courses (GT-AH2, GT-AH3, GT-AH4)

<i>History</i>		3
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One guaranteed transfer History course (GT-HI1)

<i>Social & Behavioral Sciences</i>		6
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Two guaranteed transfer Social & Behavioral Sciences courses (GT-SS1, GT-SS2, GT-SS3)

<i>Natural & Physical Sciences</i>		7
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Two guaranteed transfer Natural & Physical Sciences courses (GT-SC1, GT-SC2)

One course must have the required laboratory (GT-SC1)

Subtotal 31

Additional Required Courses

ART 111	Art History Ancient to Medieval: GT-AH1	3
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ART 112	Art History Renaissance to Modern: GT-AH1	3
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ART 121	Drawing I	3
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ART 128	Figure Drawing I	3
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or

ART 221	Drawing II	
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ART 131	Visual Concepts 2-D Design	3
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ART 132	Visual Concepts 3-D Design	3
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<i>Any three-credit STUDIO ART course</i>		3
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Subtotal 21

Electives

<i>Select 8 credits of electives from the list below</i>		8
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Subtotal 8

Total Credits 60

Electives¹

NOTE: Not all courses listed below are available at CCD

AAA 109 Advanced Academic Achievement

ACC 121 Accounting Principles I

ACC 122 Accounting Principles II

ANT all courses

ARA all courses 11 and higher

ART all courses

ASL all courses 121 and higher

AST all courses

BIO all courses

BUS 115 Introduction to Business

BUS 216 Legal Environment of Business

BUS 217 Business Communication and Report Writing

BUS 226 Business Statistics

CHE all courses

CHI all courses 111 and higher

CIS 118 Introduction to PC Applications

COM	all courses
CRJ 110	Introduction to Criminal Justice: GT-SS3
DAN & PED	all courses (up to 4 credits total)
ECE 101	Introduction to Early Childhood Education
ECE 102	Introduction to Early Childhood Lab Techniques
ECE 205	Nutrition, Health and Safety
ECE 238	Child Growth and Development
ECE 241	Administration: Human Relations for Early Childhood Education
ECO	all courses
EDU 221	Introduction to Education
ENG	all courses 121 and higher
ENV 101	Environmental Science with Lab: GT-SC1
GEO	all courses
GER	all courses 111 and higher
GEY	all courses
HIS	all courses
HUM	all courses
HWE 100	Human Nutrition
ITA	all courses 111 and higher
JOU	all courses
JPN	all courses 111 and higher
LIT	all courses
MAT	all courses 120 and higher
MGD	all courses
MUS	all courses
PHI	all courses
PHY	all courses
POS	all courses
PSY	all courses
SCI 155	Integrated Science with Lab: GT-SC1
SCI 156	Integrated Science II with Lab: GT-SC1
SOC	all courses
SPA	all courses 111 and higher
THE	all courses
WST	all courses

¹ Students planning to transfer to CSU-FC for completion of the BA in Studio Art must complete two semesters of one foreign language for their electives OR be able to pass the CSU-FC Foreign Language placement exam at the sophomore level. It may not be possible to complete the BA in Studio Art in two years without this prior foreign language competency.

NOTE: Course substitutions are not permitted for any Statewide Transfer Degree program.

If, because course substitutions are not permitted, a student is not able to complete this Statewide Transfer Degree plan, the student should see an Academic Advisor for guidance.

Associate of Applied Science - Emergency Medical Services

Center for Health Sciences at Lowry

This associate's degree prepares students for advanced medical fields such as nursing, paramedic, physician assistant, medicine and physical therapy. Students completing the Associate of Applied Science Degree in Emergency Medical Services will be eligible for preferential acceptance into the Paramedic program at Denver Health providing they meet the established entry requirements. This associate's degree program is eligible for federal student aid.

Program Application, Admission and Requirements

Successful completion of the Emergency Medical Technician Certificate is required to continue the AAS in EMS. See the Emergency Medical Technician (EMT) Certificate for program application, admission and requirement information.

EMT Certificate Course Requirements

EMS 121	EMT Fundamentals	3
EMS 122	EMT Medical Emergencies	4
EMS 123	EMT Trauma Emergencies	2
EMS 124	EMT Special Considerations	2
EMS 170	EMT Basic Clinical	1
	Subtotal	12

- Successful completion of the NREMT practical and written examination. Students must have a current NREMT EMT Certificate.
- Current Healthcare Provider or Professional Rescuer CPR card.
- Pass a drug screen and background check.
- Follow all immunization policies for CCD which includes, but is not limited to, a current TB screening test. These tests must be completed by CCD's designated agency.
- Hepatitis B vaccination and proof of titer.
- Completion of the EMS AAS application.

Program Requirements

BIO 111	General College Biology I with Lab: GT-SC1	5
BIO 116	Introduction to Human Disease: GT-SC2	3
CHE 109	General, Organic and Biochemistry	4
COM 220	Intercultural Communication: GT-SS3	3
EMS 127	AEMT Special Considerations	2
EMS 129	AEMT Pharmacology	1
EMS 130	EMT Intravenous Therapy	2
EMS 131	AEMT Fundamentals	2
EMS 133	AEMT Medical Emergencies	2
EMS 135	AEMT Trauma Emergencies	2
EMS 171	AEMT Clinical Internship	2
ENG 121	English Composition I: GT-CO1	3
HPR 106	Law and Ethics for Health Professions	2
HPR 178	Medical Terminology	2
HPR 190	Basic EKG Interpretation	2
HPR 200	Advanced ECG Interpretations	2
MAT 120	Mathematics for the Liberal Arts: GT-MA1	4

Subtotal 43

Select two courses from the following electives:

BIO 201	Human Anatomy and Physiology I with Lab: GT-SC1 (4)	
BIO 202	Human Anatomy and Physiology II with Lab: GT-SC1 (4)	
COM 125	Interpersonal Communication	(3)
COM 126	Communication in Healthcare	(3)
PSY 101	General Psychology I: GT-SS3	(3)
SOC 101	Introduction to Sociology I: GT-SS3	(3)
SPA 101	Conversational Spanish I	(3)
SPA 115	Spanish for the Professional I	(3)

Subtotal 6-8

Total 61-63

Certificate in Food, Nutrition, and Wellness

****This program is not eligible for federal student aid.****

Nutrition is a fascinating and dynamic science with a powerful role to play in promoting and sustaining health and wellness. In this 3-course certificate program students will explore various approaches to health and wellness through studying the concepts, values, and applications of this exciting field of health science. In the first two courses, students will learn the fundamentals of nutrition, explore what it means to eat healthy, discover how to efficiently meal plan and grocery shop, and obtain techniques that will make cooking fun, easy, and enjoyable! In the third and final course, students will focus on fitness and wellness which will provide a foundation to design, implement, and evaluate a complete personal fitness and wellness program This certificate is relevant for students pursuing education in nutrition or health related fields, health care professionals, nutritionists, personal trainers, wellness coaches, massage therapists, life coaches, teachers, caregivers; or any individual with an interest in food, diet, and optimal health.

PROGRAM ADMISSION REQUIREMENTS

Meet minimum assessment scores and/or prerequisites for courses in the program.

REQUIREMENTS

HWE 100 Human Nutrition 3 credits

HWE 124 Fitness and Wellness 2 credits

HWE 143 Applied Nutrition to Whole Food Cooking 3 credits

Total Credits 8

Updates and Corrections to Programs

Associate of General Studies Integrated Nursing Pathway Degree

Program Prerequisite Requirements for Integrated Nursing Pathway

BIO 111	General College Biology I with Lab: GT-SC1	5
CHE 101	Introduction to Chemistry I with Lab: GT-SC1	5
ENG 121	English Composition I: GT-CO1	3
HWE 100	Human Nutrition	3

MAT 121	College Algebra: GT-MA1	4
MAT 135	Intro to Statistics: GT-MA1	3
PSY 101	General Psychology I: GT-SS3	3
SOC 101	Introduction to Sociology I: GT-SS3	3
Arts and Humanities:		
<i>Select one of the following:</i>		3
ART 110	Art Appreciation: GT-AH1	
ART 111	Art History Ancient to Medieval: GT-AH1	
ART 112	Art History Renaissance to Modern: GT-AH1	
ART 207	Art History 1900 to Present: GT-AH1	
HUM 115	World Mythology: GT-AH2	
HUM 121	Humanities: Early Civilization: GT-AH2	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
HUM 123	Humanities: Modern World: GT-AH2	
HUM 220	The Cultural History of Rock and Roll	
LIT 115	Introduction to Literature I: GT-AH2	
LIT 126	Study of Poetry	
LIT 201	World Literature to 1600: GT-AH2	
LIT 202	World Literature After 1600: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
LIT 211	American Literature to Civil War: GT-AH2	
LIT 212	American Literature After Civil War: GT-AH2	
LIT 225	Introduction to Shakespeare: GT-AH2	
LIT 235	Science Fiction	
LIT 246	Literature of Women: GT-AH2	
LIT 255	Children`s Literature	
LIT 259	Survey of African American Literature: GT-AH2	
LIT 267	The Bible as Literature	
MUS 120	Music Appreciation: GT-AH1	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
MUS 122	Music History Romantic Period to Present: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
THE 211	Development of Theatre Greek to Renaissance: GT-AH1	
THE 212	Development of Theatre Restoration to Modern: GT-AH1	
Subtotal		32
Required Pathway Courses		
ANT 250	Medical Anthropology: GT-SS3	3
BIO 201	Human Anatomy & Physiology with Lab I: GT-SC1	4
BIO 202	Human Anatomy & Physiology II with Lab: GT-SC1	4
BIO 204	Microbiology with Lab: GT-SC1	4
ENG 122	English Composition II: GT-CO2	3
HIS 121	U.S. History to Reconstruction: GT-HI1	3
HPR 209	Professional Nursing Pathway	3
HPR 219	Professional Nursing Path II	3
PSY 235	Human Growth and Development: GT-SS3	3
Select one guaranteed transfer History course (GT-HI1)		3
Subtotal		33
Total Credits		65

NOTE: Acceptance to Integrated Nursing Pathway Program is required.

Associate of Applied Science Veterinary Technology

Center for Health Sciences at Lowry

Veterinary Technicians are paraprofessional members of a veterinary team, assisting a Doctor of Veterinary Medicine. Veterinary Technicians perform a variety of tasks, including preparing examination rooms and surgery suites, holding and restraining animals during the exam and/or treatment, collecting specimens, performing routine laboratory procedures, taking diagnostic X-rays, administering medication or treatments, assisting in surgery, performing office skills, maintaining inventory of supplies and assisting with client education.

Career opportunities for Veterinary Technicians are available in a variety of settings, including private veterinary practices, research laboratories, kennels, zoos, and local, state and federal agencies. These experiences can lead to other job opportunities such as sales, animal hospital administration, teaching in a Veterinary Technology program and animal advocacy.

This is a full-time 5 semester program that is a blend of academic and clinical coursework that requires attention to detail, motivation and the ability to complete tasks within a specified time frame. The students of Community College of Denver Veterinary Technology Program are encouraged to be self-directed in their learning and to establish high standards of professional and personal excellence.

Graduates are eligible to take the Veterinary Technician National Examination and have been able to rapidly find placement in the veterinary health care community. Community College of Denver Veterinary Technology program is one of only two Community College of Colorado programs located in the Denver Metro area offering an Associate of Applied Science Degree in Veterinary Technology.

Community College of Denver offers one of the most respected Veterinary Technology programs in the state.

Apply Online | www.CCD.edu/Vet-Tech

Courses Required Prior to Admission

Select one of the following:

BIO 111	General College Biology I with Lab: GT-SC1	4-5
or	A General Biology with Lab	
ENG 121	English Composition I: GT-CO1	3
or ENG 131	Technical Writing I	
MAT 107	Career Math (or higher)	3
	Subtotal	10-11

General Education Requirements

COM 115	Public Speaking	3
PSY 101	General Psychology I: GT-SS3	3
or SOC 101	Introduction to Sociology I: GT-SS3	

Subtotal 6

Program Requirements

VET 102	Veterinary Medical Terminology	1
VET 106	Exotic Animal Handling	2
VET 108	Introduction to Laboratory Procedures	3
VET 115	Surgical Nursing	2
VET 116	Humane Treatment and Handling of Animals	3
VET 120	Office Procedures and Relations	2
VET 134	Diagnostic Imaging	2
VET 172	First Year Clinical Rotation	1
VET 182	Internship	2
VET 187	Cooperative Education: Diagnostic Imaging	1
VET 205	Veterinary Anatomy and Physiology I	4
VET 206	Veterinary Anatomy and Physiology II	4
VET 223	Introduction to Anesthesia	1
VET 224	Pharmacology for Veterinary Technicians	3
VET 225	Anesthesiology	3
VET 227	Animal Nutrition	2
VET 232	Veterinary Dentistry	1
VET 240	Veterinary Medicine and Surgery	4
VET 241	Clinical Laboratory Procedures	4
VET 242	Veterinary Critical Care	2
VET 243	Veterinary Diagnostic Microbiology	3
VET 250	Clinical Competency Evaluation	1
VET 281	Internship II	3
VET 282	Internship III	4
	Subtotal	58
	Total Credits	74-75

Radiation Therapy Certificate

Center for Health Sciences at Lowry

Upon successful completion of the Radiation Therapy Program, graduates are eligible to apply for registry by the American Registry of Radiologic Technologists (ARRT) in Radiation Therapy. This program will prepare diagnostic technologists, RT(R), to be Radiation Therapists, RT(T). A certificate is obtained over three semesters. A new class begins in the fall semester of each year. Graduates will be dual registered, RT(R)(T).

APPLICATION INFORMATION

Visit www.CCD.edu/Rad-Therapy to view information regarding the program application process. For more information, please contact Don McCoy (Program Chair) at 303.365.8356.

Qualified applicants will be notified on or before May 25. Upon program acceptance, background check, and drug screening must be completed prior to the start of classes.

REQUIREMENTS

Plan of Study Grid

Fall		Credits
RTH 221	Principles of Radiation Therapy I	3
RTH 225	Oncology Pathophysiology	3
RTH 242	Radiation Physics	3
RTH 281	Internship I	8

		Subtotal	17
Spring			
RTH 222	Principles Radiation Therapy II		2
RTH 243	Oncology Principles and Practice I		2
RTH 255	CT for Radiation Therapists		2
RTH 261	Treatment Planning		3
RTH 282	Internship II		8
		Subtotal	17
Summer			
RTH 244	Oncology Principles and Practice II		2
RTH 283	Internship III		8
		Subtotal	10
		Total Credits	44

Associate of Arts Degree Anthropology Designation

Mathematics 3
 One guaranteed transfer mathematics course (GT-MA1) MAT 135: Introduction to Statistics is preferred.

Associate of Arts Degree Criminal Justice Designation

Mathematics 3
 One guaranteed transfer mathematics course (GT-MA1) MAT 135: Introduction to Statistics is preferred.

Associate of Arts Degree English-Literature Designation

Arts & Humanities 3
 Three guaranteed transfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) (NOTE: GT-AH2 Literature courses will NOT be accepted to fulfill this requirement.)

Associate of Arts Degree Geography Designation

Mathematics 3
 One guaranteed transfer mathematics course (GT-MA1) MAT 135: Introduction to Statistics is preferred.

Associate of Arts Degree Psychology Designation

Mathematics 3
 One guaranteed transfer mathematics course (GT-MA1) MAT 135: Introduction to Statistics is preferred.

Associate of Arts Degree Sociology Designation

Mathematics 3
 One guaranteed transfer mathematics course (GT-MA1) MAT 135: Introduction to Statistics is preferred.

Certificate in Home Health Aide

Program Deletion

Certificate in Phlebotomy

- Delete HPR 113 as requirement
- Add HPR 180 as requirement

Updates and Corrections to Courses

All prerequisites have been removed from the following courses:

AAA 090

AAA 099

AAA 101

AAA 109

ACC 101

ACC 115

ACC 121

ACC 132

AEC 104

ARA 101

ART 121

ART 131

ART 138

BTE 100

BTE 108

BTE 117

BTE 120

BTE 125

BTE 225

BTE 257

CAD 101

CAD 115

CAD 224

CCR 092

CCR 094

CHI 101

CIS 101

CIS 110

CIS 114

CIS 130

COM 100

COM 102

COM 105

COM 115

ECE 101

ECE 103

ECE 108
ECE 111
EDU 222
EDU 230
EDU 231
EDU 232
EDU 289
FIN 105
FRE 101
GER 101
HWE 129
ITA 101
MAC 100
OSH 116
OUT 112
OUT 131
OUT 135
OUT 145
OUT 168
PRA 218
PSM 104
PSM 105
PSM 110
PSM 113
PSM 132
PSM 204
PSM 221
REC 101
SPA 101
WEL 100

All math prerequisites have been removed from the following courses:

AST 101

AST 102

BIO 103

BIO 105

ENV 101

GEY 111

GEY 112

GEY 135

NUA 101

NUA 170

AEC 100 | Introduction to Design Theory

Prerequisite: Grade of C or better in CCR 092, CCR 093, CCR 094, or ENG 090 and REA 090; and grade of C or better in MAT 090 or MAT 050; or equivalent English, Writing, and Math assessment score placements; or equivalent ACT/SAT scores; or Chair or Advisor permission

BIO 103 | Principles of Animal Biology: GT-SC2

Prerequisite or Corequisite: Demonstrated college readiness in English ([www.ccd.edu/college ready](http://www.ccd.edu/college-ready))

BIO 105 | Science of Biology with Lab: GT-SC1

Prerequisite or Corequisite: Demonstrated college readiness in English ([www.ccd.edu/college ready](http://www.ccd.edu/college-ready))

BIO 106 | Basic Anatomy and Physiology

Prerequisite or Corequisite: Demonstrated college readiness in English and Math ([www.ccd.edu/college ready](http://www.ccd.edu/college-ready))

BIO 111 | General College Biology I with Lab: GT-SC1

Prerequisite: Demonstrated college readiness in English (www.ccd.edu/collegeready) and grade of C or better in MAT 055 or higher; or MAT 103 or higher as a corequisite; or equivalent Math assessment score placement

BIO 204 | Microbiology with Lab: GT-SC1

Prerequisite: BIO 111 with a grade of C or better

BIO 216 | Pathophysiology

Prerequisite: ENG 121 and BIO 202 with a grade of C or better

CHE 101 | Introduction to Chemistry I with Lab: GT-SC1

Prerequisite or Corequisite: MAT 120 or MAT 135

CHE 111 | General College Chemistry I with Lab: GT-SC1

Prerequisite: MAT 121

CIS 118 | Introduction to PC Applications

Prerequisite: CIS 117 or CCR 092 or CCR 094 with a C or better, or equivalent assessment score placement

CIS 240 | Database Design and Development

Prerequisite: CIS 118 with a grade of C or better

CRJ 110 | Introduction to Criminal Justice: GT-SS3

No prerequisite

CRJ 112 | Procedural Criminal Law

Prerequisite: CRJ 110 with a grade of C or better

CRJ 125 | Policing Systems

Prerequisite: CRJ 110 with a grade of C or better

CRJ 127 | Crime Scene Investigation

Prerequisite: CRJ 110 with a grade of C or better

CRJ 135 | Judicial Function

Prerequisite: CRJ 110 with a grade of C or better

Provides an overview of the structure and function of the dual American judicial system and the behavior of actors (judges/justices, lawyers, law clerks, interest groups, etc.) within the system. Emphasis is placed on the organization and administration of state and federal courts, criminal court procedures, juries, selection of judges, decision-making behavior of juries, judges and justices, and the implementation and impact of judicial policies

CRJ 145 | Correctional Process

Prerequisite: CRJ 110 with a grade of C or better

CRJ 146 | Community Based Corrections

Prerequisite: CRJ 110 with a grade of C or better

CRJ 201 | Emergency Dispatching

Prerequisite: CRJ 110 with a grade of C or better

CRJ 205 | Principles of Criminal Law

Prerequisite: CRJ 110 with a grade of C or better

CRJ 210 | Constitutional Law

Prerequisite: CRJ 110 with a grade of C or better

CRJ 230 | Criminology

Prerequisite: CRJ 110 with a grade of C or better

Provides an introduction to the study of crime, understanding the causes of crime, and examines, theoretical frameworks and theories to explain criminal behavior. Within a social context, consideration is given to how theories have emerged and understand how social context contributes to explanations of crime. Examination of the nature of crime, crime victimization, crime patterns, types of crime, crime statistics, and criminal behavior is also included.

CRJ 231 | Introduction to Forensic Science and Criminalistics

Prerequisite: CRJ 110 with a grade of C or better

CRJ 236 | Research Methods

Prerequisite: CRJ 110 with a grade of C or better

Provides an introduction to research methods in criminal justice. Addresses foundations of research, analysis of findings, and ethical issues in researching criminal justice issues. This course will use an interactive approach in basic research concepts and practices. Students will obtain a thorough understanding of how research is conducted and how practitioners can benefit from this knowledge. Additionally, students will develop research proposals, conduct appropriate reviews of previously published research, and write a final research study.

CRJ 257 | Victimology

Prerequisite: CRJ 110 with a grade of C or better

ECE 101 | Introduction to Early Childhood Education

Provides an introduction to the profession of Early Childhood Education (ECE). Course content includes eight key areas of professional knowledge related to working with young children and their families in early care and education settings: child growth and development; health, nutrition and safety; developmentally appropriate practices; guidance; family and community relationships; diversity and inclusion; professionalism; and administration and supervision. This course addresses children ages birth through 8 years.

ECE 102 | Introduction to Early Childhood Education Techniques

Focuses on a classroom seminar and placement in a child care setting. The supervised placement provides the student with the opportunity to observe children, to practice appropriate interactions, and to develop effective guidance and management techniques. Addresses ages birth through age 8.

ECE 103 | Guidance Strategies for Young Children

Explores guidance theories, applications, goals, and techniques, as well as factors that influence behavioral expectations of children. This course includes classroom management and pro-social skills development of young children in early childhood (EC) program settings. This course addresses children ages birth through 8 years.

ECE 205 | ECE Nutrition, Health, and Safety

Focuses on nutrition, health, and safety as key factors for optimal growth and development of young children. This course includes nutrition knowledge, menu planning, food program participation, health practices, management and safety, appropriate activities, and communication with families for early childhood educators. This course addresses children ages birth through 12 years.

ECE 220 | ECE Curriculum Development: Methods and Techniques

Provides an overview of early childhood curriculum development. This course includes processes for planning and implementing developmentally appropriate environments, materials, and experiences that represent best practices in early childhood (EC) program settings. This course addresses children ages birth through 8 years.

ECE 238 | ECE Child Growth and Development

Covers the growth and development of the child from conception through the elementary school years. This course emphasizes physical, cognitive, language, social, and emotional domains of development as they pertain to the concept

of the whole child. It also includes ways adults can provide a supportive early childhood care and educational environment through teamwork and collaboration.

ECE 240 | Administration of Early Childhood Care and Education Programs

Provides foundational knowledge in early childhood program business operations, program development, and evaluation. This course covers administrative skills, ethical decision making, risk and resource management, and components of quality Early Childhood Education (ECE) programs serving children ages birth through 12 years.

ECE 241 | Administration: Human Relations for Early Childhood Education

Focuses on the human relations component of an early childhood professional's responsibilities. This course includes director-staff relationships, staff development, leadership strategies, family-professional partnerships, and community interaction.

ECE 256 | Working with Parents, Families, and Community Systems

Examines personal attitudes regarding families, family values systems, and how personal attitudes affect parent-professional partnerships in the early childhood education program. This course covers communication, problem-solving, and conflict resolution strategies. Effective activities and resources to support family involvement in the classroom will be created. This course addresses children ages birth through 8 years.

ECE 260 | The Exceptional Child

Presents an overview of critical elements related to educating young children with disabilities or special needs in the early childhood education program. This course covers research-based practices related to inclusion; teaming and collaboration; and accommodations and adaptations. This course addresses children ages birth through 8 years.

ESL 054 | ESL Reading and Composition Foundations

Lecture Credit: 5-6

HPR 137 | Human Diseases

Prerequisite: Grade of C or better in BIO 106 or better with a grade of C or better

HPR 180 | Internship

Remove all prerequisites

JOU 251 | Media Law and Ethics

Prerequisite: ENG 121 with a grade of C or better

MAT 025 Algebraic Literacy Lab

Prerequisites: none

MAT 055 | Algebraic Literacy

Prerequisite: CCPT IADI score of 001. Students without assessment scores or with a CCPT BAAD of 50, LADI score of 001, PADI score of 001, or equivalent may enroll in MAT 055 but are required to co-enroll in MAT 025, a structured study experience for MAT 055 students.

MGD 101 | Introduction to Computer Graphics

Schedule Type: Studio Art

MGD 102 | Introduction to Multimedia

Introduces the basic components of multimedia: text, graphics, animation, sound, and video. Students gain an introductory knowledge of various multimedia and design software programs. Students gain hands-on, technical, conceptual and aesthetic experience pertaining to the creation of multi-dimensional design and time-based media via an array of projects and demonstrations. Students will be introduced to career opportunities within multimedia fields.

MGD 105 | Typography and Layout

Schedule Type: Studio Art

MGD 111 | Adobe Photoshop I

Schedule Type: Studio Art

MGD 112 | Adobe Illustrator I

Schedule Type: Studio Art

MGD 114 | Adobe InDesign

Schedule Type: Studio Art

MGD 116 | Typography I

Schedule Type: Studio Art

MGD 203 | Design and Concept

Schedule Type: Studio Art

MGD 213 | Electronic Prepress

Schedule Type: Studio Art

MGD 275 | Special Topics

Schedule Type: Studio Art

MGD 289 | Capstone

Schedule Type: Studio Art

PSY 200 Research Methodology

Lecture Credit: 4

Introduces research methods and designs including correlational studies, experimental designs and quasi-experimental designs. Additional topics include evaluations of scientific research, data analysis, report writing and research ethics.

VET 182 | Internship

Internship Credit: 2

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Prerequisite: VET 108, VET 116, VET 120, and VET 205 with a grade of C or better

VET 183 | Internship

Internship Credit: 3

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Prerequisite: VET 101, VET 103, VET 113, VET 114 with a grade of C or better

VET 281 | Internship II

Internship Credit: 3

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Prerequisite: VET 182 with a grade of C or better

VET 282 | Internship III

Internship Credit: 4

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Prerequisite: VET 182, VET 281, and VET 225 with a grade of C or better, or VET 225 as a corequisite

New Courses

AAA 175 | Special Topics

Lecture Credit: 0-12

Exploration of current topics, issues and activities related to one or more aspects of the named discipline.

Prerequisite: This course may require prerequisites or permission of instructor

DEH 302 | Research Methodologies

Lecture Credit 3

Develops the skills necessary to identify and develop a research topic, navigate a research database and develop an effective, scientifically sound, and persuasive research paper with specific emphasis on dental and dental hygiene topics.

DEH 325 | Advanced Concepts in Oral Health Promotion and Community Planning I

Lecture Credit 2

Develops the skills necessary to identify and develop a research topic, navigate a research database and develop an effective, scientifically sound, and persuasive research paper with specific emphasis on dental and dental hygiene topics.

DEH 341 | Clinical Teaching Methodologies

Lecture Credit 3

Provides students the opportunity to compare and contrast practical experience as it relates to dental hygiene clinical instruction. Students will apply teaching methodologies, psychomotor learning theories, feedback techniques and motivational strategies to direct student learning.

DEH 345 | Advanced Dental Nutrition for the Public Health Hygienist

Lecture Credit 3

Examining program planning and evaluation, healthcare policy, and cultural and nutritional issues specific to community nutrition and its relationship to oral health.

DEH 355 | Social and Behavioral Determinants of Oral Health

Lecture Credit 3

Evaluates the complexity and interplay of social and physical environmental structures, economic systems, and behavioral patterns that affect overall health with a focus on health services, health beliefs and their impact on health-related behavior choices.'

DEH 387 | Dental Hygiene Leadership and Administration

Lecture Credit 3

Examines the skills needed for leadership roles in public health, community health, education, business and industry with emphasis on leadership theories and application.

DEH 411 | Teaching Methodologies

Lecture Credit 4

Provides a general overview of the concepts and theory relative to dental hygiene education. Students will be introduced to dental hygiene accreditation standards, outcomes centered objectives, syllabus development, lesson planning, content delivery, test construction and assessing student learning. Students will explore the various learning styles and technology available for delivery of course content.

DEH 425 | Advanced Concepts of Oral Health Promotion and Community Planning II

Lecture Credit 1

Assesses the oral health needs and issues of designated populations and recommend strategies to meet those needs by utilizing advanced concepts from Oral Health Promotion I including risk reduction, health literacy strategies, and epidemiology.

DEH 476 | Diversity and Cultural Competence: Relationship to the Delivery of Oral Health I

Lecture Credit 1

Exams knowledge, beliefs and behaviors that influence healthcare choices and become barriers to healthcare services by creating cultural competence with a positive effect on patient care delivery and acceptance of treatment

DEH 478 | Diversity and Cultural Competence: Relationship to the Delivery of Oral Health II

Lecture Credit 3

Develops advanced skills from Diversity and Culture Research I in the knowledge, beliefs and behaviors that influence healthcare choices and become barriers to healthcare services by proving cultural competence in patient care delivery.

DEH 481 | Public Health Internship I

Internship Credit 2

Applies community program planning experiences in a community health setting with oral health promotion and delivery through direct work experience.

DEH 482 | Public Health Internship II

Internship Credit 3

Applies community program planning experiences in a community health setting with oral health promotion and delivery through direct work experience as a continuation of Public Health Internship I.

HPR 112 | Phlebotomy

Lecture Credit 2, Lab Credit 2

Teaches the duties associated with the practice of venipuncture, capillary puncture, and special collection procedures. Students will have experience with quality control, infection control and safety procedures as well as laboratory computer systems. Students successfully completing this course may apply for a National Phlebotomy Registry Examination.

HPR 113 | Advanced Phlebotomy

Lecture Credit 1, Clinical Credit 3

Focuses on advanced phlebotomy skills including laboratory protocols, specimen processing and point of care documentation. This course provides opportunities for the student to master learned skills.

HWE 123 | Applied Nutrition to Whole Food Cooking

Lecture Credit 3

Encompasses the principles of Human Nutrition (HWE 100) and applies the concepts to healthy cooking and disease prevention. Students will learn "hands on" cooking principles and preparation methods for a variety of healthy food choices. Course includes knife and food safety, food costing, culinary vocabulary, food preservation, menu planning and shopping for different dietary restrictions and disease populations. Prevention of chronic disease and obesity through good nutrition and healthy eating are foundations for this course.

MAT 103 | Math for Clinical Calculations

Lecture Credit 3

Provides a review of general mathematics, introductory algebra and an opportunity to learn systems of measurement and methods of solving problems related to drug dosage and intravenous fluid administration. It is designed for students in the health disciplines. Topics may include algebra, graphs, measurement and conversion between various systems of measurement.

Prerequisite: Grade of B or better in MAT 050 or a CCPT BAAD of 106, IADI of 001, or TCDI score of 001, or be co-enrolled in MAT 091, a structured study experience for MAT 103, MAT 107, MAT 108 or MAT 112 students.

VET 172 | First Year Clinical Rotation

Clinical Credit: 1

Examines basic animal care, examination, and handling skills essential for veterinary technicians including demonstrating an understanding of animal behavior, restraining cats and dogs in a safe and effective manner, performing thorough physical examinations on cats and dogs, obtaining accurate physiological data on cats and dogs, obtaining a complete patient history, performing a nail trim, administering vaccines and collecting a blood sample from a cat or dog.

Prerequisite: VET 102, VET 108, VET 116, VET 120, VET 205, with a grade of C or better

Corequisite: VET 182

VET 223 | Introduction to Anesthesia

Lecture/Lab Credit: 1

Examines basic principles in veterinary anesthesiology, including the role of the veterinary technician anesthetist, important concepts relating to various types of anesthesia, preparation of anesthetic equipment and machine, pre-operative patient management, and recording information during anesthesia.

Prerequisite: VET 102, VET 108, VET 116, VET 120, VET 205, with a grade of C or better

VET 232 | Veterinary Dentistry

Lecture Credit: 1

Examines essentials in veterinary dentistry as it concerns the veterinary technician, including dental morphology, performing a dental exam, identifying common dental problems, equipment used to perform a professional dental cleaning, the proper steps to perform a professional dental cleaning, and the role of veterinary technician in client education and preventative home care.

Prerequisite: VET 225, VET 227, VET 241, VET 281 with a grade of C or better

Corequisite: VET 240

New Program

Bachelor of Applied Science – Dental Hygiene

Minimum 120 Credit Hours*

Offered completely online, the Bachelor of Applied Science (BAS) Degree in Dental Hygiene is a degree completion program. The program is designed to allow registered dental hygienists (RDH) an avenue to advance their dental hygiene education and increase their employment options. The RDH to BAS program will expand career options for individuals currently holding a Certificate or Associate Degree in Dental Hygiene. The program offers flexibility in scheduling and the

ability to continue working while advancing your education and ultimately your career opportunities. Admission to the BAS program requires an Associate of Arts (AA), Associate of Applied Science (AAS), or Certificate in Dental Hygiene from a Commission on Dental Accreditation (CODA) accredited dental hygiene program from which the Community College of Denver (CCD) will accept transfer credits.** Candidates for the BAS Degree Program will decide where they would like to place the emphasis of their course work. Candidates can choose either public health or clinical teaching/education. Regardless of the path chosen, the coursework and internship experiences will facilitate the development of skills in administration, planning, leadership and research.

*The 120 credit hours is a total of all credits earned from Dental Hygiene Prerequisite Courses, Dental Hygiene Associate Degree Courses, and CCD Bachelor of Applied Science Degree Courses

**CCD will only accept transfer credit from post-secondary institutions accredited by one of the six regional accrediting associations. Credits earned at nationally accredited or unaccredited institutions are not transferable to CCD.

Dental hygienists who have earned a Bachelor of Applied Science degree in dental hygiene can be employed in a variety of settings beyond the traditional private practice dental setting. Career opportunities are expanded and can include:

- community dental health clinics
- public schools
- clinical and basic science research laboratories
- state and federal health facilities
- office management
- dental hygiene education
- sales and marketing representatives
- entrepreneurial ventures

Bachelor degree trained dental hygienists can develop program plans for public health institutions and organizations, participate in research, educate dental, dental hygiene students and community groups, be employed within dental sales, medical sales, marketing organizations and consulting firms. Dental hygienists with an entrepreneurial spirit can develop their own unique niche to support dentistry and dental hygiene through continuing education, practice management and publications.

Applications for the Bachelor of Applied Science in Dental Hygiene program are available between February 1st and May 1st and must be submitted electronically no later than May 1st to be considered for admission into the class beginning in the fall of the academic year. There is one application cycle per year. A maximum of 25 individuals who meet the following criteria will be accepted into the BAS program.

- Satisfactory completion of all Community College of Denver general admissions criteria and admittance to CCD.
- Completion of a Commission on Dental Accreditation (CODA) accredited AA, AAS, or Certificate in Dental Hygiene including 90 credit hours that can be accepted into the Community College of Denver for transfer credit.
- A cumulative GPA of 2.5 or higher in all transferring dental hygiene degree course work and dental hygiene prerequisite courses.
- Dental hygiene licensure. Students in the program must have an active license to practice dental hygiene in at least one state within the United States.
- Two Letters of Recommendation
- Proof of Colorado residency or residency within a state under the WICHE Reciprocity Agreement
- Completion of a writing sample. Specific directions and criteria for the writing sample will be provided with the Application materials.

BAS Degree Dental Hygiene Prerequisites:

Before applying, you must meet the prerequisites for this program.

- Graduation from a CODA Accredited Dental Hygiene Program*+
 - Unofficial transcripts from your AA, AAS, or Certificate Dental Hygiene program, including prerequisite dental hygiene coursework must be submitted with your application for evaluation and review.
- Satisfactory completion of all CCD general admissions criteria
- Current dental hygiene licensure to practice within the United States
- A cumulative GPA of 2.5 or higher in all transferring dental hygiene degree course work and dental hygiene prerequisite courses.
- A minimum “C” grade in MAT 135, Introduction to Statistics.
 - Although not required prior to admission, successful completion of MAT 135, Introduction to Statistics, before beginning DEH 302 (Applied Dental Hygiene Research Methodologies) is strongly encouraged. This course must be completed for graduation from the BAS DEH program.
- Basic computer skills are necessary, including proficiency in Microsoft Excel, PowerPoint and Word, communication via email, and use of the Internet.
- Ready access to a computer with a stable internet connection is mandatory as all coursework will be completed online.
- Attend an Orientation session on campus approximately one month prior to the start of the Fall semester.

Dental Hygiene Coursework:*

Dental Hygiene Requirements:

MAT 135	Introduction to Statistics	3
DEH 301	Advanced Careers in Dental Hygiene	3
DEH 302	Applied Dental Hygiene Research Methodologies	3
DEH 355	Social and Behavioral Determinants of Oral Health	3

Dental Hygiene Electives – Public Health Emphasis:

DEH 325	Advanced Concepts in Oral Health Promotion and Community Planning I	2
DEH 425	Advanced Concepts in Oral Health Promotion and Community Planning II	1
DEH 481	Public Health Internship I	2
DEH 482	Public Health Internship II	3

Dental Hygiene Electives – Education Emphasis:

DEH 341	Clinical Teaching Methods	3
DEH 411	Teaching Methods	4
DEH 488	Clinical Capstone Practicum	4

General Dental Hygiene Electives

DEH 345	Advanced Dental Nutrition	3
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DEH 387	Dental Hygiene Leadership and Administration	3
DEH 476	Diversity and Cultural Competence Research: Relationship to the Delivery of Oral Health I	1
DEH 478	Diversity and Cultural Competence Research: Relationship to the Delivery of Oral Health I	3

General Electives:

ANT 101	Cultural Anthropology	3
ASL 121	American Sign Language	5
COM 126	Communication in Health Care	3
SPA 115	Spanish for the Professional	3

*A minimum of 24 credit hours must be taken at the 300/400 level from BAS Dental Hygiene courses. A minimum of 30 credit hours in residence at the Community College of Denver is required to earn the Bachelor of Applied Science in Dental Hygiene degree.

Deleted Programs

Associate of Applied Science – Electroneurodiagnostic Technology

This program is no longer offered at CCD.

Associate of Applied Science - Emergency Medical Services

This program is no longer offered at CCD.

Deleted Courses

EMS 121 | EMT Fundamentals
EMS 122 | EMT Medical Emergencies
EMS 123 | EMT Trauma Emergencies
EMS 124 | EMT Special Considerations
EMS 130 | EMT Intravenous Therapy
EMS 170 | EMT Clinical
END 102 | Electroencephalography (EEG) I
END 103 | Instrumentation Principles
END 112 | Electroencephalography II
END 115 | Patient Care and Safety
END 202 | EEG Record Review Basics
END 206 | Neuroanatomy and Physiology
END 207 | Evoked Potential
END 209 | END Polysomnography
END 210 | Clinical Neurology
END 251 | END Related Modalities
END 275 | Special Topics
END 280 | Clinical Internship I
END 281 | Clinical Internship II
END 282 | Clinical Internship III