

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.

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 statewide 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	
	or		
MAT 121	College Algebra	GT-MA1	
MAT 135	Intro to Statistics	GT-MA1	
	or		
MAT 155	Integrated Math I		
	&		
MAT 156	Integrated Math II		

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	

History

HIS 121	U.S. History to Reconstruction	GT-HI1.....	3
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Social & Behavioral Sciences

GEO 105	World Regional Geography	GT-SS2.....	3
POS 111	American Government	GT-SS1.....	3

Natural & Physical Sciences

SCI 155	Integrated Science with Lab	GT-SC1.....	4
SCI 156	Integrated Science II with Lab	GT-SC1 ¹	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
	Select one of the following		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

Select six credits determined by the receiving 4-year institution. ².....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 ¹	3
ENG 122	English Composition II	GT-CO2.....	3

Communication

COM 115	Public Speaking		3
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Mathematics

MAT 155	Integrated Math I.....		3
MAT 156	Integrated Math II.....		3

Arts & Humanities

Select one of the following3

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	

History

HIS 121	U.S. History to Reconstruction	GT-HI1.....	3
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Social & Behavioral Sciences

GEO 105	World Regional Geography	GT-SS2.....	3
POS 111	American Government	GT-SS1.....	3

Physical & Biological Sciences

SCI 155	Integrated Science with Lab	GT-SC1.....	4
SCI 156	Integrated Science II with Lab	GT-SC1 ³	4

Education Requirements

EDU 221	Introduction to Education		3
PSY 238	Child Development	GT-SS3.....	3

Subtotal.....**41**

Electives

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		

Mathematics 3

One guaranteed transfer mathematics course (GT-MA1)

Arts & Humanities 6

Two guaranteed transfer Arts & Humanities courses (GT-AH2, GT-AH3, GT-AH4)

History 3

One guaranteed transfer History course (GT-HI1)

Social & Behavioral Sciences 6

Two guaranteed transfer Social & Behavioral Sciences courses (GT-SS1, GT-SS2, GT-SS3)

Natural & Physical Sciences 7

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
ART 112	Art History Renaissance to Modern	GT-AH1.....	3
ART 121	Drawing I.....		3
ART 128	Figure Drawing I.....		3
	or		
ART 221	Drawing II		
ART 131	Visual Concepts 2-D Design		3
ART 132	Visual Concepts 3-D Design		3
	Any three-credit STUDIO ART course.....		3
	Subtotal.....		21

Electives

Select 8 credits of electives from the list below..... 8

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
<i>Select two courses from the following electives:</i>			
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

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	
<i>Select one guaranteed transfer History course (GT-HI1)</i>			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	3
	or	
SOC 101	Introduction to Sociology I	6
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

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

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

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

Updates and Corrections to Courses

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

Deleted Program

Associate of Applied Science – Electroneurodiagnostic Technology

This program is no longer offered at CCD.

Deleted Courses

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