



2022-2023 Catalog Addendum

Academic Affairs

Tuesday July 12, 2022

Amendment: Wednesday July 20, 2022

Amendment: Thursday, August 18, 2022

2022-2023 Undergraduate Catalog

2022-2023 Graduate Catalog

This catalog addendum contains new and revised academic programs and policies. Information in this addendum is subject to change. For general University information, visit MSU Denver's website, msudenver.edu.

The programs, policies, statements and procedures contained in this publication are subject to change or correction by the University without prior notice. Metropolitan State University of Denver reserves the right to withdraw courses; revise the academic calendar; or change curriculum, graduation procedures, requirements and policies that apply to students at any time. Changes will become effective whenever the proper authorities so determine. This publication is not intended to be a contract between the student and Metropolitan State University of Denver. However, students are bound by the policies, procedures, standards and requirements stated herein, as long as they are in effect.

Table of Contents

Administration (Graduate and Undergraduate Catalogs).....	5
Board of Trustees	5
Office of the President	5
University Communications and Marketing.....	6
Strategy	6
Academic Affairs Division	7
Office of the Provost and Executive Vice President of Academic Affairs	7
Administration, Finance and Facilities Division	8
Office of the Vice President for Administration, Finance and Facilities	8
Student Affairs Division	9
Office of the Vice President for Student Affairs.....	9
University Advancement Division.....	11
Office of the Vice President for University Advancement	11
Academic Administrators	11
College of Business	11
College of Health and Applied Sciences.....	12
College of Letters, Arts and Sciences	12
School of Education.....	14
School of Hospitality	14
Alternative Credit Options/Prior Learning Assessment	15
International Baccalaureate.....	15
Faculty.....	17
Emeritus	18
Master of Business Administration Faculty	19
Master of Science in Clinical Behavioral Health, Emphasis in Addictions Counseling.....	19
Master of Education in Curriculum and Instruction Faculty	19
Master of Science in Cybersecurity Faculty	19
Master of Science in Nutrition and Dietetics Faculty	19
Master of Science in Speech-Language Pathology Faculty	19
Master of Social Work Faculty	19
Master of Arts in Teaching Faculty	20
Academic Policy and Procedures	21
Declaring or Changing a Major or Certificate	21

Grades and Notations	21
Honors and Awards.....	21
Commencement Ceremony.....	22
Admissions	22
Application Instructions.....	22
Alternative Credit Options/Prior Learning Assessment	23
International Baccalaureate.....	23
Credit for Military Training, Military Occupational Specialties, and Other Training Programs Evaluated by the American Council on Education (ACE)	32
Enrollment	32
Testing Services	32
General Studies Requirements	33
Rules for the General Studies Program.....	33
Multicultural Graduation Requirements	33
Transferability of Multicultural Credits.....	33
Records and Registration	34
College Opportunity Fund (COF).....	34
Official Transcripts (Official Academic Record)	34
Official Transcript (Official Academic Record) (Graduate Catalog).....	35
Preferred Name (Graduate and Undergraduate Catalog).....	35
Special Registration	35
Interinstitutional Registration	35
Student Rights and Responsibilities (Undergraduate Catalog).....	36
Equal Opportunity and Americans with Disabilities Act	36
Student Rights and Responsibilities (Graduate Catalog)	36
Equal Opportunity and Americans with Disabilities Act	36
Student Resources (Grad and Undergraduate Catalogs).....	36
The University and Its Mission.....	39
College of Business.....	41
Master of Business Administration.....	41
Department of Finance.....	44
Real Estate Minor	44
Department of Management	44
Entrepreneurship Minor.....	44

International Business Concentration	45
International Business Minor.....	46
Management Major, B.S.....	47
College of Health and Applied Sciences.....	52
Department of Aviation and Aerospace Science	53
Aviation and Aerospace Science (ASC) Major, B.S.....	53
Department of Computer Sciences	58
Computer Science Major, B.S.	58
Department of Criminal Justice and Criminology	62
Cybersecurity Major, B.S.	62
Department of Engineering and Engineering Technology	64
Department of Nutrition.....	68
Nutrition Studies Major, B.S.	68
Pathway 2 Lactation Consultant Training Certificate.....	71
Pathway 2 Lactation Consultant Training Graduate Certificate	72
Department of Human Services and Counseling	74
Human Services Major, B.S.	74
Master of Science in Clinical Behavioral Health, Emphasis in Addictions Counseling.....	84
Clinical Behavioral Health, emphasis in Addictions Counseling Program Description	84
College of Letters, Arts and Sciences	90
Department of Biology	91
Biology Major, B.A.	91
Biology Major, B.S.....	95
Department of Mathematics and Statistics	98
Mathematics Major with Secondary Mathematics Licensure	98
Music Education, B.M.E.....	98
Course Descriptions (Undergraduate)	105
Course Descriptions (Graduate).....	124

Administration (Graduate and Undergraduate Catalogs)

- [Board of Trustees](#)
- [Office of the President](#)
- [University Communications and Marketing](#)
- [Strategy](#)
- [Academic Affairs Division](#)
- [Administration, Finance and Facilities Division](#)
- [Student Affairs Division](#)
- [University Advancement Division](#)
- [Academic Administrators](#)

The Metropolitan State University of Denver is governed by the Board of Trustees-Metropolitan State University of Denver. The members are appointed by the Governor of Colorado and approved by the Senate.

Board of Trustees	Date of First Appointment	Present Term Expires
Russell Noles, M.B.A., Chair	2019	2022
Albus Brooks, M.B.A.	2019	2023
Mario Carrera, B.A.	2019	2023
Bethany Fleek Dillen, Ph.D., Faculty Trustee	2021	2022
Emily Renwick Garnett, J.D.	2020	2023
Barbara Barnes Grogan	2015	2022
Kristin Hultquist, M.P.P.	2019	2023
Meredith Jeffers, Ph.D., Faculty Trustee	2022	2023
Michael Johnston, J.D.	2019	2023
Michael Kopp, J.D.	2020	2024
Marissa Molina, B.A.	2019	2022
Jim Qualteri, B.S., Alumni Representative	2021	2022
Savannah Martel Gabe Trujillo, Student Trustee	2021 2022	2022 2023

Office of the President

President	Janine Davidson, Ph.D.
Vice President for Administration/Chief Operating Officer	Larry Sampler, M.A.

Chief of Staff	Edward J. Brown Jr. M.B.A.
Presidential Faculty Fellow	Sophia Tran, Ph.D.
Provost and Executive Vice President of Academic Affairs	Alfred W. Tatum, Ph.D.
Vice President for Diversity and Inclusion	Michael Benitez, Ph.D.
Interim Vice President of Strategy and External Affairs	Erie Smith, B.S.
Chief Strategy Officer	Kelly Brough, M.B.A.
Vice President for Student Affairs	Will Simpkins, Ed.D.
Vice President of University Advancement and Executive Director of the MSU Denver Foundation	Christine Márquez-Hudson, M.N.M
General Counsel and Secretary to the Board of Trustees	David Fine, Esq.
Deputy General Counsel	Nicholas Stancil, Esq.
Executive Director, Equal Opportunity and Title IX Coordinator	Raúl M. Sánchez, J.D.
Executive Director of HSI Initiatives and Inclusion	Manuel Del Real, Ph.D.
Director of Athletics	Todd Thurman, M.Ed.
Director of Government Affairs	Kaycee Gerhart, B.S.

University Communications and Marketing

Associate Vice President of Strategic Communications	Andrea Smith, M.S.
Associate Vice President of Marketing and Brand	Whei Wong-Howerton, M.P.A.
Executive Director of Communications	John Arnold, B.S.
Director of Digital Marketing and UX Strategy	Kayla Manning, M.B.A. Vacant
Director of Media Relations	Tim Carroll, B.S., APR
Director of Operations	Jacque Williams, B.A.

Strategy

Chief Strategy Officer	Kelly Brough, M.B.A.
Director of Strategy	Christopher Pena, M.A.

Academic Affairs Division

Office of the Provost and Executive Vice President of Academic Affairs

Provost and Executive Vice President of Academic Affairs	Alfred W. Tatum, Ph.D.
President, Council of Chairs and Directors	Elizabeth Ribble, Ph.D.
President, Faculty Senate	Katia Campbell, Ph.D. Elizabeth Goodnick, Ph.D.
Budget Director	Neilsun Valenski, M.S.

Curriculum, Academic Effectiveness, and Policy Development

Associate Vice President of Curriculum, Academic Effectiveness, and Policy Development	Shaun T. Schafer, Ph.D.
Director of Academic Program Review	Lou Moss, M.A., PMP
Director of Curriculum and Catalog	Erica Buckland Anderson, B.A.
Director of General Studies	Keah Schuenemann, Ph.D.

Faculty Affairs

Vice Provost for Faculty Affairs	Bill Henry, Ph.D.
Director of Faculty Affairs	Sam Jay, Ph.D.

Graduate Studies

Interim Associate Vice President of Graduate Studies	AnnJanette Alejano-Steele, Ph.D.
--	----------------------------------

Innovative and Lifelong Learning

Associate Vice President of Innovative and Lifelong Learning	Terry Bower, M.S.W.
Director of Innovative and Lifelong Learning	Dawn Zoni, Ph.D.

Online Programs

Associate Vice President of Online Programs	Matt Griswold, Ed.D.
---	----------------------

Sponsored Research and Programs

Director of the Office of Sponsored Research and Programs	Betsy Jinks, M.P.H.
Undergraduate Studies	
Associate Vice President of Undergraduate Studies	Elizabeth Parmelee, Ph.D.
Director of Academic Support Services	Hediyeh Arasteh, M.A.
Director of Advising Systems	Stephanie Allen, M.A.
Director of the Center for Individualized Learning	Sara Jackson Shumate, Ph.D.
Director of the Honors Program	Megan Hughes, Ph.D.
Executive Director of the Office of International Studies	Akbarali Thobhani, Ph.D.
Faculty Director of Undergraduate Research	Kristy Duran, Ph.D.
Director of the One World One Water Center	Nona Shipman, M.A.
ROTC Office	Captain Nathaniel Wherley
Director of the Writing Center	Elizabeth Kleinfeld, Ph.D.

Administration, Finance and Facilities Division

Office of the Vice President for Administration, Finance and Facilities

Vice President for Administration/Chief Operating Officer	Larry Sampler, M.A.
Associate Vice President of Administration and Finance	George Middlemist, Ph.D., C.P.A.
Chief of Staff to the Vice President for Administration	Leone Schulz, B.A.
CIO/Associate Vice President Information Technology Services	Kevin Taylor, M.B.A.
Director of Accounting Services	Liza Larsen, M.B.A, C.P.A.
Director of Budget	Cipriana Patterson, B.A.
Bursar	Christina Nguyen
Executive Director, Office of University Effectiveness and Director of Center for Advanced Visualization and Experiential Analysis	Vacant
Director of Human Resources	Stacy Dvergsdal, B.A.
Director of Institutional Research	Ellen Boswell, B.S.

~~Director of ITS Client Services Deputy CIO~~

Nick Pistentis, M.S.

Director of ITS Infrastructure Services and Chief Information Security Officer

Michael Hart, B.S.

Director of Operations and Maintenance

Sharon Lorince, M.B.A.

Director of Planning, Design, and Construction

~~Jonathan McCann, M.B.A.~~ Vacant

President, Staff Senate

Rebecca Reid, B.A.

Student Affairs Division

Office of the Vice President for Student Affairs

Vice President for Student Affairs

Will Simpkins, Ed.D.

Director of Operations and Planning for Student Affairs

Emily Willan, B.S.

Classroom to Career Hub

Associate Vice President of Classroom to Career Initiatives

Adrienne Martinez, M.S.W.

~~Interim~~ Director of Faculty Engagement

~~Pamela Ansborg, Ph.D.~~ Vacant

Director of Career Engagement

Bridgette Coble, Ph.D.

Executive Director of Industry Partnerships

Maluwa Behringer, B.S.

Executive Director of Student Support and Retention

Nahum Kisner, M.S.

Enrollment Management

Associate Vice President of Enrollment Management

Vacant

Executive Director of Admissions and Outreach

Vaughn Toland, M.A.

Director of Admissions Internal Operations

Marlynn Rocha-Vasquez, B.A.

Director of Enrollment Management Call Center

Nick Grissom, B.A.

~~Director of Enrollment Management Systems and Operations~~

~~Michael Nguyen, B.S.~~

Executive Director of Financial Aid and Scholarships

Vacant

Director of Financial Aid Operations ~~and Systems~~

Loriann Weiss, M.S.

Director of Financial Aid Systems

Michael Nguyen, B.S.

Director of Financial Aid Compliance	Jennifer Helgeson
Executive Director of Orientation, Transition, Retention and Reengagement	Megan Scherzberg, Ph.D.
Director, Orientation, Transition, and Retention	John Babcock, M.Ed.
Director, Transfer and Adult Student Services	Tiffani Baldwin, Ph.D.
Director of Diverse Recruitment	Vacant
Registrar	Connie Sanders, B.S.
Director of MSU-Denver Testing Services	Russell Reynolds, B.A.
Interim Director of the Center for Urban Education and TRIO High School Upward Bound	Janelle Henderson, B.A.
Student Engagement and Wellness	
Associate Vice President for Student Engagement and Wellness/Dean of Students	Braelin Pantel, Ph.D. Cynthia Baron, M.S.W, Ed.D.
Associate Dean for Equity and Student Engagement	Cynthia Baron, Ed.D.
Assistant Dean/Director of TRIO Student Support Services	Ally Garcia, Ed.D. Vacant
Assistant Dean /Director, Student Care Center	Erica Quintana Garcia, M.S.W., LSW Vacant
Assistant Dean/Director of Student Accountability and Behavioral Intervention	Thomas Ragland, M.S.
Director of Campus Recreation	Diane Yee, M.S.
Director of the College Assistance Migrant Program	Vacant
Assistant Dean and Director of the Center for Multicultural Engagement and Inclusion	Thanh Nguyen, Ed.D.
Executive Director of the Counseling Center	Gail Bruce-Sanford, Ph.D.
Executive Director of the Health Center at Auraria	Steve Monaco, M.S.
Director of the Immigrant Services Program	Gregor Mieder, M.A.
Director of the LGBTQ Student Resource Center	Tyrell Allen, M.A.
Director of Veteran and Military Student Services	Joe Foster, Ph.D.

University Advancement Division

Office of the Vice President for University Advancement

Vice President of University Advancement and Executive Director of the MSU Denver Foundation

Christine Márquez-Hudson, M.N.M.

Chief Financial and Operating Officer

Lori Herrera, M.B.A

Assistant Vice President of Strategic Engagement

Jamie Hurst, J.D.

Associate Vice President for University Advancement

Shelley Thompson, M.A.

Executive Director of Corporate and Foundation Relations

Megan Conklin, M.S.W.

Senior Director of Alumni Relations

Brandi Rideout, M.Ed.

Senior Director of Advancement Communications and Giving

Breanne Milnes

Senior Director of Development

Gwen Thompson, M.A.

Director of Donor Relations

Traci McBee Rowe, M.N.M.

Senior Director of Major Gifts

Steve Galpern, M.A.

Academic Administrators

College of Business

Dean

Ann B. Murphy, Ph.D.

~~Interim~~ Associate Dean

~~Trey Fleisher, Ph.D.~~ Ethan Waples, Ph.D.

Assistant Dean

Pamela Packer, M.S.

Chair, Accounting

Gregory Clifton, J.D.

Chair, Computer Information Systems and Business Analytics

Abel Moreno, Ph.D.

Chair, Economics

~~Arthur Fleisher III, Ph.D.~~ Alexandre Padilla, Ph.D.

Chair, Finance

Alex Fayman, Ph.D.

Chair, Management

Debora Gilliard, Ph.D.

Chair, Marketing

~~Nicole Vowles, Ph.D.~~ Sally Baalbaki,
Ph.D.

College of Health and Applied Sciences

Interim Dean

Hope Szypulski, DNP

Interim Associate Dean

Kathy Heyl, M.S., R.D.N.

Associate Dean

Rebecca Trammell, Ph.D.

Director, Institute for Advanced Manufacturing Sciences

Mark Yoss, B.S.

Chair, Aviation and Aerospace Science

Jeffrey Forrest, Ph.D.

Chair, Computer Sciences

Steve Beaty, Ph.D.

Chair, Criminal Justice and Criminology

Andrea Borrego, Ph.D.

Chair, Engineering and Engineering Technology

Fred Barlow, Ph.D.

Director of Development and Partnerships, Health Institute

Emily Matuszewicz, D.C.

Chair, Health Professions

Kevin Zeiler, J.D.

Chair, Human Performance and Sport

Chad Harris, Ph.D.

~~Interim~~ Chair, Human Services and Counseling

~~Annie Butler, Ph.D.~~ Henry Jackson,
Ph.D.

Chair, Industrial Design

John Wanberg, M.S.D.

Chair, Nursing

Theresa Buxton, Ph.D.

Chair, Nutrition

Rachael Sinley, Ph.D.

Chair, Social Work

Jessica Retrum, Ph.D.

Chair, Speech, Language, Hearing Sciences

Jessica Rossi-Katz, Ph.D.

College of Letters, Arts and Sciences

Dean

John Masserini, D.M.A.

Associate Dean

Ibon Izurieta, Ph.D.

Associate Dean

Jason Janke, Ph.D.

Associate Dean

Sharon Twigg, Ph.D.

Associate Dean	Daniel Lair, Ph.D.
Chair, Africana Studies	Douglas Mpondi, Ph.D.
Chair, Art	Deanne Pytlinksi, Ph.D.
Chair, Biology	Sheryl Zajdowicz, Ph.D.
Chair, Chemistry and Biochemistry	Andrew Bonham, Ph.D.
Chair, Chicano Studies	Adriana Nieto, Ph.D.
Chair, Communication Studies	Vacant Katia Campbell, Ph.D.
Department Chair, Earth and Atmospheric Sciences	Ford Lux, Ph.D.
Chair, English	Rebecca Gorman O'Neill, M.F.A. Andreas Mueller, Ph.D.
Chair, History	Matthew Makley, Ph.D.
Chair, Journalism and Media Production	Christopher Jennings, Ph.D.
Chair, Mathematics and Statistics	Elizabeth McClellan Ribble, Ph.D.
Chair, Modern Languages	Maria Akrabova, Ph.D.
Chair, Music	Peter Schimpf, Ph.D.
Chair, Philosophy	Caleb Cohoe, Ph.D.
Chair, Physics	Ford Lux, Ph.D.
Chair, Political Science	Robert Preuhs, Ph.D.
Chair, Psychological Sciences	Lisa Badanes, Ph.D.
Chair, Sociology and Anthropology	Nicholas Recker, Ph.D.
Chair, Theatre and Dance	Jacob Welch
Director of the Gender Institute for Teaching and Advocacy	Anahi Russo Garrido, Ph.D.
Director of the Center for Advanced STEM Education	Hsiu-Ping Liu, Ph.D.
Director of the Mathematics and Learning Assistance Program	Brooke Evans, Ph.D.
Director of the First Year Writing	Jessica Parker, Ph.D.
Director of the Family Literacy Program	Adriann Wycoff, Ph.D.

Director of the Writing Center

Elizabeth Kleinfeld, Ph.D.

School of Education

Dean

Elizabeth Hinde, Ph.D.

Associate Dean

Lisa Altemueller, Ed.D.

Chair, Elementary Education and Literacy

~~Deborah Horan, Ph.D.~~ Corey Sell, Ph.D.

Chair, Secondary, K-12, and Educational Technology

Hsin-Te Yeh, Ph.D.

Chair, Special Education, Early Childhood and Culturally/Linguistically
Diverse Education

Kathy Whitmore, Ph.D.

School of Hospitality

~~Interim~~ Dean

~~Christian Hardigree, J.D.~~ Eric Olson,
Ph.D.

Chair, Rita and Navin Dimond Department of Hotel Management

Eric Olson, Ph.D.

Alternative Credit Options/Prior Learning Assessment

International Baccalaureate

Students who complete the IB Diploma Program and the IB examinations are guaranteed admission to the University and are eligible to receive credit and advanced placement standing. To receive credit, a student must receive at least a score of four (4) on each IB examination and call 301-202-3025 or visit [ibo.org/informationfor/alumni/transcripts](https://www.ibo.org/informationfor/alumni/transcripts) <https://www.ibo.org/programmes/diploma-programme/assessment-and-exams/requesting-transcripts/> to request that official scores be mailed directly to the Office of Admissions from the IB organization. For specific equivalencies, see the table below. Please contact the Office of the Registrar at 303-556-3991 for more information. Students should consult with the appropriate department for further advising and with their major departments about acceptance of credits toward their majors.

IB scores that are equivalent to a course with the Oral Communication General Studies designation will receive Oral Communication General Studies credit.

Social and Behavioral Sciences	Social and Cultural Anthropology	Higher	ANT	4-7H	4 to 7	ANT 1310 - Introduction to Cultural Anthropology, ANT 8000	6	Social and Behavioral Sciences, Global Diversity
		Standard	ANT	4-7S	4 to 7	ANT 1310 - Introduction to Cultural Anthropology	3	Social and Behavioral Sciences, Global Diversity
	Economics	Higher	ECO	4-7H	4 to 7	ECO 2010 - Principles of Macroeconomics, ECO 8000	6	Social and Behavioral Sciences
		Standard	ECO	4-7S	4 to 7	ECO 8000	3	Social and Behavioral Sciences
	Geography	Higher	GEG	4-7H1	4 to 7	GEG 1300 - Introduction to Human Geography, GEG 1100 - Introduction to Physical Geography	6	Social and Behavioral Sciences, Global Diversity
		Standard	GEG	4-7S1	4 to 7	GEG 1300 - Introduction to Human Geography, GEG 1100 - Introduction to Physical Geography	3	Social and Behavioral Sciences, Global Diversity
	Global Politics	Higher	GPOL	4-7S	4 to 7	PSC 8000	3	Social and Behavioral Sciences, Global Diversity

		Standard	GPOL	4-7H	4 to 7	PSC 2240 - Global Challenges in the Twenty-First Century	3	Social and Behavioral Sciences, Global Diversity
	Psychology	Higher	PSY	4-7H	4 to 7	PSY 1001 - Introductory Psychology, PSY 8888	6	Social and Behavioral Sciences
		Standard	PSY	4-7S	4 to 7	PSY 1001 - Introductory Psychology, PSY 8888	6	Social and Behavioral Sciences

Faculty

Balik, Shelby M.

~~Associate~~ Professor-History

B.A., Brown University; M.A., University of Michigan-Ann Arbor; M.A., Ph.D., University of Wisconsin-Madison

Cachanosky, Nicolas

~~Associate~~ Professor-Economics

Licentiate in Economics, UCA-Argentina; M.A., ESEADE-Argentina; M.S., Ph.D., Suffolk University

Carter, John F.

~~Associate~~ Professor-Mathematics

B.A., Regents College; M.A., Western Washington University; Ph.D., University of Oregon

Duburguet, Derren P.

~~Associate~~ Professor-Aviation & Aerospace Science

A.S., San Diego Mesa College; B.A., M.A., San Diego State University

Duclos, Jean-Francois R.

~~Associate~~ Professor-Modern Languages

B.A., M.A., Charles De-Gaulle University-Lille; M.A., Stendhal University-Grenoble; Ph.D., University of Minnesota

Dyhr, Benjamin

~~Associate~~ Professor-Mathematics

B.S., Northern Arizona University; M.S., Northwestern University; Ph.D., University of Arizona

Filbin-Wong, Megan Elizabeth

~~Associate~~ Professor-Chemistry and Biochemistry

B.S., University of Denver; Ph.D. University of Colorado School of Medicine-Anschutz Medical Campus

Foust, Christina

~~Associate~~ Professor-Communication Studies

B.S., Kansas State University; M.A., University of Nebraska, Lincoln; Ph.D. University of North Carolina, Chapel Hill

Frisbee, Margaret Ann

~~Associate~~ Professor-History

B.A., Loyola Marymount University; M.A., California State University-Northridge; Ph.D., University of New Mexico

Hill, Katherine Grace

~~Associate~~ Professor-Psychological Sciences

B.A., The Colorado College; M.S., Ph.D., Kansas State University

Lechuga, Chalane E.

~~Associate~~ Professor-Chicana/o Studies

B.A., University of Colorado-Boulder; M.S., University of Denver; Ph.D., University of New Mexico

Nieto, Adriana Pilar

Chair and ~~Associate~~ Professor-Chicana/o Studies

B.A., M.A., University of New Mexico; Ph.D., University of Denver-Iliff School of Theology

Parker, Jeffrey B.

~~Associate~~ Professor-Theatre

B.A., University of California-Los Angeles; M.F.A., University of California-Irvine

Ragan, Emily J.

~~Associate~~ Professor-Chemistry and Biochemistry

B.A., University of California-Berkeley; Ph.D., Kansas State University.

Retrum, Jessica H.

Chair and ~~Associate~~ Professor-Social Work

B.S., Illinois State University; M.S., University of Wisconsin-Madison; Ph.D., University of Denver

Schaeffer Fry, Amanda A.

~~Associate~~ Professor-Mathematics

B.S., Ph.D., University of Arizona-Tucson

Sell, Corey Ranshaw

~~Associate~~ Professor-Elementary Education

B.A., University of Mary Washington; M.Ed., University of Virginia; Ph.D., George Mason University

Emeritus

Rick Crosser, Ph.D.,

Professor Emeritus Accounting

James Drake, Ph.D.,

Professor Emeritus History

Gloria Eastman, Ph.D.,

Professor Emeritus English

Jon Kent, Ph.D.,

Professor Emeritus Sociology and Anthropology

Richard Krantz, Ph.D.

Professor Emeritus Physics

Douglas Laufer, Ph.D.

Professor Emeritus Accounting

Lindsey Packer, Ph.D.

Professor Emeritus Mathematics and Statistics

Gerald Shultz, Ph.D.

Professor Emeritus Computer Sciences

James Simmons, Ph.D.

Professor Emeritus Aviation and Aerospace Science

~~Tucker, Patricia A. Ph.D.~~

~~*Professor Emeritus Mathematical and Computer Science*~~

Barbara Uliss, Ph.D.

Professor Emeritus Accounting

Ann Williams, Ph.D.

Professor Emeritus Modern Languages

Master of Business Administration Faculty

Dr. Nicolas Cachanosky, ~~Associate~~ Professor-Economics

Licentiate in Economics, UCA-Argentina; M.A., ESEADE-Argentina; M.S., Ph.D., Suffolk University

Dr. Alexandre Padilla, ~~Chair and~~ Professor of Economics

BS, Universite de Droit, d'Economie, et des Sciences d'Aix-Marseille III; MA., Universite de Droit, d'Economie, et des Sciences d'Aix-Marseille III; PhD, Universite de Droit, d'Economie, et des Sciences d'Aix-Marseille III

Dr. Nicole S. Vowles, ~~Chair and~~ Professor of Marketing

BBA, University of San Diego; MBA, Ohio State University; PhD, Victoria University of Wellington

Master of Science in Clinical Behavioral Health, Emphasis in Addictions Counseling

Dr. Annie Butler, ~~Chair and~~ Professor of Human Services and Counseling

BS, Psychology, Colorado State University; MA Counseling Psychology, Counselor Education, University of Colorado at Denver; MP, Human and Social Services, Walden University; PhD, Human and Social Services, Walden University

Master of Education in Curriculum and Instruction Faculty

~~**Dr. Ofelia Schepers**, Associate Professor of Elementary Education & Literacy~~

~~B.S., M.S., University of Kansas; Ph.D., University of Colorado-Boulder~~

Master of Science in Cybersecurity Faculty

Dr. Steven Beaty, ~~Chair and~~ Professor of Mathematics & Computer Science

B.S., M.S., Ph.D., Colorado State University

Dr. Henry Jackson, ~~Interim Chair and~~ Professor of Criminal Justice and Criminology

B.S., Wichita State University; M.P.A., University of Kansas; Ph.D., Kansas State University

Master of Science in Nutrition and Dietetics Faculty

Dr. Rachel Sinley, ~~Chair and~~ Associate Professor of Nutrition

B.S., Ph.D., University of Nebraska-Lincoln; M.P.H., University of Minnesota-Minneapolis

Master of Science in Speech-Language Pathology Faculty

Dr. Jessica Rossi-Katz, ~~Chair and~~ Professor of Speech, Language, Hearing Sciences

B.S., University of New Hampshire; M.A. & Ph.D., University of Colorado at Boulder

Master of Social Work Faculty

Ms. Bianca Brandon, Lecturer in Social Work

B.S.W., Metropolitan State University of Denver; M.S.W. Colorado State University-Fort Collins

Ms. Laura Montero, Lecturer in Social Work
B.S., Arizona State University; M.S.W., University of Michigan

Dr. Jessica Retrum, Chair and ~~Associate~~ Professor of Social Work
B.S., Illinois State University; M.S.S.W., University of Wisconsin-Madison; Ph.D., University of Denver

Master of Arts in Teaching Faculty

~~**Dr. Cody Harrington**, Lecturer of Elementary Education & Literacy
B.A., University of Colorado Denver; M.A., University of Colorado Denver; PhD., University of Colorado Denver~~

~~**Dr. Kimberly Hartnett**, Alternative Licensure Program Faculty
B.A. University of California, San Diego; MA.ed California State University, San Bernardino; Ed.D. Claremont Graduate University, Claremont, CA~~

Dr. Lina Martin Corredor Assistant Professor, Culturally and Linguistically Diverse Education, B.A. Universidad Pedagógica Nacional; M.A., Carthage College, Ph.D., The University of Texas at San Antonio

Dr. Deborah Horan, ~~Chair and~~ Professor of Elementary Education & Literacy
B.A., M.A., University of Colorado at Denver; Ph.D., Boston College

~~**Dr. Kathleen Luttenegger**, Professor of Elementary Education & Literacy
BA, Mount Holyoke College; MA, Columbia University Teachers College; MBA, University of Denver; PhD, University of Colorado, Boulder~~

~~**Dr. Ofelia Schepers**, Associate Professor of Elementary Education & Literacy
B.S., M.S., University of Kansas; Ph.D., University of Colorado Boulder~~

Dr. Corey Sell ~~Chair and~~ Professor of Elementary Education & Literacy
B.A., University of Mary Washington; M.Ed., University of Virginia; Ph.D., George Mason University

Academic Policy and Procedures

Declaring or Changing a Major or Certificate

New students indicate their intended major on the MSU Denver Application for Admission. While students may select "Undeclared" as a major at the time of admission, all degree-seeking students must declare a major before completion of 45 credits. Degree-seeking students who transfer in more than 45 credits must declare a major before registering for a second semester. ~~Degree-seeking~~ Students who wish to change a major and students pursuing a certificate program must complete a Declaration/Change of Major form, which is available from the ~~major department or from the~~ Office of the Registrar. ~~Non-degree-seeking students who wish to declare a major must first change to degree-seeking status by completing a Change of Status form with the Office of Admissions.~~

Grades and Notations

AW - Administrative Withdrawal

The Administrative Withdrawal (AW) notation is assigned when a student, or representative, requests to be withdrawn from a course due to unforeseen or extenuating circumstances beyond the student's control. When the "AW" notation is assigned, no academic credit is awarded. The course remains on the student's academic record with an "AW" notation and counts toward the student's attempted hours. The course is not calculated in the student's GPA.

Students may request an administrative withdrawal from the Office of the Registrar after the withdrawal deadline posted in the Academic Calendar. Deadlines differ proportionally for courses offered during part of a semester, including late-start and weekend courses. Students should refer to the Part-of-term dates published by the Office of the Registrar to review ~~drop~~ withdrawal deadlines for individual courses.

Although requests are evaluated on a case-by-case basis, examples include the death of an immediate family member, serious illness or medical emergency, or other life-altering event. The student must provide supporting documentation to substantiate the request.

Students who request an administrative withdrawal may also request a tuition refund by filing an Undergraduate Tuition and Fees Appeal through the Office of the Bursar.

Honors and Awards

MSU Denver annually recognizes students who show outstanding leadership and service to the University and community, excellence in scholastic achievement, and outstanding personal character and integrity. Due to wide variation in definition and interpretation of class rank, the University does not (by policy) rank its students or graduates. Recognition of students includes: The President's Award (one senior); The Provost's Award (one senior); Special Service-Student Affairs Award (one senior); Outstanding Fall Graduate Award (one senior); Outstanding Student Awards (one senior from each College/School); American Association of University Women (AAUW) Award (senior woman). Other awards include Special Service Award for Exceptionally Challenged Students, Charles W. Fisher Award and the Colorado Engineering Council Award.

In addition to annual awards, students with outstanding academic achievements are recognized by being named on the University's Honor Lists. The President's Honor List contains the names of students who, at the time of computation, have achieved a cumulative GPA of 3.85 or higher. The Provost's Honor List contains the names of students who, at the time of computation, have achieved a cumulative GPA of between 3.50 and 3.84, inclusively. Computation will occur initially when the student has completed between 30 and 60 credits at MSU Denver, then again between 60 and 90 credits, and finally after more than 90 credits. Honors will only be computed three times in a student's academic life at the University. Questions should be directed to the Office of Academic Affairs at 303-615-1900.

Graduation honors are awarded to students who have demonstrated superior academic ability in their baccalaureate degree while attending MSU Denver. Honors designations are determined according to the following criteria:

- Summa Cum Laude - ~~Top five percent of graduates within each school with cumulative MSU Denver GPA of no less than 3.65.~~ All College of Business graduates with a cumulative GPA of no less than 3.89; all School of Education graduates with a cumulative GPA of no less than 3.93; all College of Health and Applied Sciences with a cumulative GPA of no less than 3.90; all School of Hospitality graduates with a cumulative GPA of no less than 3.89; all College of Letters, Arts and Sciences with a cumulative GPA of no less than 3.93.
- Magna Cum Laude ~~Next five percent of graduates within each school with cumulative MSU Denver GPA of no less than 3.65.~~ All College of Business graduates with a cumulative GPA of no less than 3.75; all School of Education graduates with a cumulative GPA of no less than 3.83; all College of Health and Applied Sciences with a cumulative GPA of no less than 3.80; all School of Hospitality graduates with a cumulative GPA of no less than 3.75; all College of Letters, Arts and Sciences with a cumulative GPA of no less than 3.87.
- Cum Laude - ~~Next five percent of graduates within each school with cumulative MSU Denver GPA of no less than 3.65.~~ All MSU graduates with a cumulative GPA of no less than 3.65.

~~To determine each honors category, GPAs from the previous spring semester graduates are arranged in rank order. This rank ordering is then used to determine the honors category thresholds for the following fall, spring and summer graduates. The current rankings are located on the commencement website.~~

The honors designation is calculated twice: once for the commencement ceremony; and again at the end of the final semester for the official designation. ~~Students pursuing dual majors will have honors designation calculated for the primary major.~~

~~The required GPA for honors designation will be reviewed at least every five years.~~

Commencement Ceremony

To qualify for graduation honor recognition at the commencement ceremony, a student must have the specified GPA. ~~and must have completed a minimum of 50 semester hours of academic credit at MSU Denver by the end of the term of graduation.~~ UCD Pooled classes and other transfer credits are not considered when determining honors. Recognition at the commencement ceremony does not guarantee final honors designation on the official record. Honors announced at the commencement ceremony will be based upon a preliminary calculation not including grades from the term of graduation.

Students who qualify for recognition at the ceremony will be sent a letter from the dean's office of the School in which their major is located. This letter authorizes students to purchase honor cords at the time they rent their caps and gowns.

Graduates with an Individualized Degree Program major will be identified for honors purposes within the School most prominent in their major.

Admissions

Application Instructions

Applications for Admission are considered in the order in which they are received each semester. All credentials received by the University become the property of MSU Denver and will not be returned to the student. It is the responsibility of the applicant to notify the Office of Admissions of any changes to the application prior to the first day of classes. If changes are not reported to the Office of Admissions, the registration process could be delayed for subsequent semesters. Failure to report academic changes may result in rejection, dismissal and/or loss of credit. International applicants seeking to study on F-1 student visa should refer to the Admission of International Students section.

To apply for admission:

- Applications can be submitted online at msudenver.edu/admissions or are available from the Office of Admissions located in the Jordan Student Success Building, Room 180 at 890 Auraria Parkway, Denver, CO 80204. Applications may be mailed to MSU Denver Admissions, Campus Box 16, P.O. Box 173362, Denver, CO 80217-3362. You may call the Office of Admissions at 303-556-3058 with any questions.
- ~~A \$25 nonrefundable application fee is required with the Application for Admission. Readmit applicants are not required to submit an application fee.~~
- It is the student's responsibility to request that all required official credentials be sent directly from the issuing institution or agency to the Office of Admissions. Hand-carried documents delivered in a sealed envelope will also be accepted.
- Although an applicant's college record may be summarized on one transcript, an official transcript from each institution attended is required.
- For information on obtaining records and receiving credit for Advanced Placement (AP), International Baccalaureate (IB), the College-Level Examination Program (CLEP) and military training or other training, see the Alternative Credit Options section.
- The Application for Admission and all credentials received by the University will be valid for two semesters beyond the term of application. After this time the files will no longer be maintained for applicants who do not complete their application, and for applicants who were accepted but did not enroll. Applicants wishing to attend MSU Denver after this period must submit a new application, application credentials that were not submitted and are outstanding, and the \$25 application fee.
- Applicants will be notified in writing of their application status within two to three weeks.

Alternative Credit Options/Prior Learning Assessment

International Baccalaureate

Students who complete the IB Diploma Program and the IB examinations are guaranteed admission to the University and are eligible to receive credit and advanced placement standing. To receive credit, a student must receive at least a score of four (4) on each IB examination and call 301-202-3025 or visit ibo.org/informationfor/alumni/transcripts to request that official scores be mailed directly to the Office of Admissions from the IB organization. For specific equivalencies, see the table below. Please contact the Office of the Registrar at 303-556-3991 for more information. Students should consult with the appropriate department for further advising and with their major departments about acceptance of credits toward their majors.

IB scores that are equivalent to a course with the Oral Communication General Studies designation will receive Oral Communication General Studies credit.

Subject Area	Exam Title	Level of Exam	Subject Code	Course Code	Exam Score	MSU Denver Equivalent Course(s)	Credit Awarded	MSU Denver General Studies
Arts	Dance	Higher	DANCE	4-7H	4 to 7	Theatre 8000	3	None
	Theatre Arts	Higher	THE	4-7H	4 to 7	THE 2210 - Introduction to Theatre	3	Arts and Humanities

		Standard	THE	4-7S	4 to 7	THE 2210 - Introduction to Theatre	3	Arts and Humanities
	Film	Higher	FILM	4-7H	4 to 7	ENG 2860 - Introduction to Film and Media Studies	3	Arts and Humanities
		Standard	FILM	4-7S	4 to 7	ENG 2860 - Introduction to Film and Media Studies	3	Arts and Humanities
	Music	Higher	MUS	4-7H	4 to 7	MUS 1000 - Introduction to Music	3	Arts and Humanities
	Music Creating	Standard	MUSC	4-7S	4 to 7	MUS 1000 - Introduction to Music	3	Arts and Humanities
	Music Group Performing	Standard	MUSGP	4-7S	4 to 7	MUS 1000 - Introduction to Music	3	Arts and Humanities
	Music Solo Performing	Standard	MUSSP	4-7S	4 to 7	MUS 1000 - Introduction to Music	3	Arts and Humanities
Computer Science	Computer Science	Higher	CMPSC	4-7H	4 to 7	CIS 1010 - Introduction to Computers, CIS 8000	6	None
		Standard	CMPSC	4-7S	4 to 7	CIS 1010 - Introduction to Computers	3	None
Social and Behavioral Sciences	Social and Cultural Anthropology	Higher	ANT	4-7H	4 to 7	ANT 1310 - Introduction to Cultural Anthropology, ANT 8000	6	Social and Behavioral Sciences, Global Diversity
		Standard	ANT	4-7S	4 to 7	ANT 1310 - Introduction to Cultural Anthropology	3	Social and Behavioral Sciences, Global Diversity

	Economics	Higher	ECO	4-7H	4 to 7	ECO 2010 - Principles of Macroeconomics, ECO 8000	6	Social and Behavioral Sciences
		Standard	ECO	4-7S	4 to 7	ECO 8000	3	Social and Behavioral Sciences
	Geography	Higher	GEG	4-7H1	4 to 7	GEG 1300 - Introduction to Human Geography, GEG 1100 - Introduction to Physical Geography	6	Social and Behavioral Sciences, Global Diversity
		Standard	GEG	4-7S1	4 to 7	GEG 1300 - Introduction to Human Geography, GEG 1100 - Introduction to Physical Geography	3	Social and Behavioral Sciences, Global Diversity
	Global Politics	Higher	GPOL	4-7S	4 to 7	PSC 8000	3	Social and Behavioral Sciences, Global Diversity
		Standard	GPOL	4-7H	4 to 7	PSC 2240 - Global Challenges in the Twenty-First Century	3	Social and Behavioral Sciences, Global Diversity
	Psychology	Higher	PSY	4-7H	4 to 7	PSY 1001 - Introductory Psychology, PSY 8888	6	Social and Behavioral Sciences
		Standard	PSY	4-7S	4 to 7	PSY 1001 - Introductory Psychology, PSY 8888	6	Social and Behavioral Sciences
Visual Arts	Art Design A	Higher	ARTD	4-7H	4 to 7	ART 1101 - Studio Foundations: 2D, ART 8000	6	None

		Standard	ARTD	4-7S	4 to 7	ART 1101 - Studio Foundations: 2D	3	None
	Art Visual	Higher	ARTV	4-7H	4 to 7	ART 8000	6	None
		Standard	ARTV	4-7S	4 to 7	ART 8000	3	None
Natural and Physical Sciences	Biology	Higher	BIO	4H	4	BIO 1080 - General Biology I, BIO 1081 - General Biology II, BIO 1090 - General Biology Laboratory I, BIO 1091 - General Biology Laboratory II	8	Natural and Physical Sciences
		Higher	BIO	5-7H	5 to 7	BIO 1080 - General Biology I, BIO 1081 - General Biology II, BIO 1090 - General Biology Laboratory I, BIO 1091 - General Biology Laboratory II	8	Natural and Physical Sciences
		Standard	BIO	4-7S	5 to 7	BIO 1030 - General Biology for Non-Majors	4	Natural and Physical Sciences
	Chemistry	Higher	CHE	4-7H	4 to 7	CHE 1100 - Principles of Chemistry, CHE 1150 - Principles of Chemistry Laboratory, CHE 1010 - Chemistry and Society	8	Natural and Physical Sciences
		Standard	CHE	4-7S	4 to 7	CHE 1010 - Chemistry and Society	3	Natural and Physical Sciences

	Environmental Systems and Societies	Standard	ENV	4-7S	4 to 7	ENV 1200 - Introduction to Environmental Science	3	Natural and Physical Sciences
	Physics	Higher	PHY	4-7H	4 to 7	PHY 2010 - College Physics I, PHY 2020 - College Physics II	8	Natural and Physical Sciences
		Standard	PHY	4-7S	4 to 7	PHY 1000 - Introduction to Physics	4	Natural and Physical Sciences
Foreign Language A1	French	Higher	FRE	4-7H	4 to 7	FRE 3110 - Survey of French Literature I, FRE 3320 - Cinema in French for Advanced Conversation	6	None
		Standard	FRE	4-7S	4 to 7	FRE 1010 - Elementary French I, FRE 1020 - Elementary French II	10	Oral Communication, Arts and Humanities, Global Diversity
	German	Higher	GER	4-7H	4 to 7	GER 3010 - Third-Year German Conversation, GER 3210 - Survey of German Literature I	6	None
		Standard	GER	4-7S	4 to 7	GER 1010 - Elementary German I, GER 1020 - Elementary German II	10	Oral Communication, Arts and Humanities, Global Diversity
	Spanish	Higher	SPA	4-7H	4 to 7	SPA 3110 - Advanced Conversation, SPA 3250 - Introduction	6	None

						to Literary Studies in Spanish		
		Standard	SPA	4-7S	4 to 7	SPA 1010 - Elementary Spanish I, SPA 1020 - Elementary Spanish II	10	Oral Communication, Arts and Humanities, Global Diversity
	Japanese	Higher	JPS	4-7H	4 to 7	JPS 8000	6	None
		Standard	JPS	4-7S	4 to 7	JPS 8000	3	None
	Latin	Higher	LATN	4-7H	4 to 7	MDL 8000	6	
		Standard	LATN	4-7S	4 to 7	MDL 8000	3	
	Russian	Higher	RUSN	4-7H	4 to 7	MDL 8000	6	
		Standard	RUSN	4-7S	4 to 7	MDL 8000	3	
Foreign Language B	French	Higher	FRE B	4-5H	4 to 5	FRE 1010 - Elementary French I, FRE 1020 - Elementary French II	10	Oral Communication, Arts and Humanities, Global Diversity
		Higher	FRE B	6-7H	6 to 7	FRE 1010 - Elementary French I, FRE 1020 - Elementary French II, FRE 2010 - Intermediate French I	13	Oral Communication, Arts and Humanities, Global Diversity
		Standard	FRE B	4S	4	FRE 1010 - Elementary French I	5	Oral Communication
		Standard	FRE B	5-6S	5 to 6	FRE 1010 - Elementary French I, FRE 1020 - Elementary French II	10	Oral Communication, Arts and Humanities, Global Diversity

		Standard	FRE B	7S	7	FRE 1010 - Elementary French I, FRE 1020 - Elementary French II, FRE 2010 - Intermediate French I	13	Oral Communication, Arts and Humanities, Global Diversity
	German	Higher	GER B	4-7H	4 to 7	GER 2110 - German Reading and Conversation, GER 2120 - German Civilization	6	None
		Standard	GER B	4-7S	4 to 7	GER 1010 - Elementary German I, GER 1020 - Elementary German II	10	Oral Communication, Arts and Humanities, Global Diversity
	Spanish	Higher	SPA B	4-7H	4 to 7	SPA 2010 - Intermediate Spanish I, SPA 2020 - Intermediate Spanish II	6	None
		Standard	SPA B	4-7S	4 to 7	SPA 1010 - Elementary Spanish I, SPA 1020 - Elementary Spanish II	10	Oral Communication, Arts and Humanities, Global Diversity
History	History of Africa	Higher	HISA	4-7H	4 to 7	HIS 8000	6	Historical
		Standard	HISA	4-7S	4 to 7	HIS 8000	3	Historical
	20th Century World History	Standard	HISA	4-7S	4 to 7	HIS 1040 - World History since 1500	3	Historical, Global Diversity

	20th Century World History- The Americas	Higher	HISW A	4-7S	4 to 7	HIS 8000	6	Historical
	History of Asia	Higher	HISS	4-7H	4 to 7	HIS 8000	6	Historical
		Standard	HISS	4-7S	4 to 7	HIS 8000	3	Historical
	20th Century World History-European	Higher	HISW E	4-7	4 to 7	HIS 1045 - Europe, Renaissance to the Present, HIS 8000	6	Historical, Global Diversity
English	English Literature	Higher	ENGA-1B	4-7H	4 to 7	ENG 1100 - Introduction to Literature	3	Arts and Humanities
		Standard	ENGA-1B	4-7S	4 to 7	ENG 1100 - Introduction to Literature	3	Arts and Humanities
	English A Language and Literature	Higher	ENGA-1A and ENGA-1B	4-7H	4 to 7	ENG 1010 - Composing Arguments, ENG 1100 - Introduction to Literature	6	Written Communication, Arts and Humanities
		Standard	ENGA-1A	4-7S	4 to 7	ENG 1010 - Composing Arguments	3	Written Communication
	English Language	Higher	ENGA-1A	4-7H	4 to 7	ENG 1010 - Composing Arguments	3	Written Communication
		Standard	ENGA-1A	4-7S	4 to 7	ENG 1010 - Composing Arguments	3	Written Communication
Mathematics	Mathematics	Higher	MATH	4H	4	MTH 1400 - Precalculus Mathematics	4	Quantitative Literacy
		Higher	MATH	5-4H	5 to 7	MTH 1410 - Calculus I	4	Quantitative Literacy
		Standard	MATH	4-7S	4 to 7	MTH 1110 - College Algebra for Calculus	4	Quantitative Literacy

	Further Mathematics	Higher	MATHF	4-7H	4 to 7	MTH 2140 - Computational Matrix Algebra, MTH 2410 - Calculus II	6	Quantitative Literacy
	Mathematics Applications and Interpretations	Higher	MATHAI	4-7H	4 to 7	MTH 8000	6	Quantitative Literacy
		Standard	MATHAI	4-7S	4 to 7	MTH 8000	3	Quantitative Literacy
	Mathematics Analysis and Approaches	Higher	MATHAA	4-7H	4 to 7	MTH 8000	6	Quantitative Literacy
		Standard	MATHAA	4-7S	4 to 7	MTH 8000	3	Quantitative Literacy
	Math Methods	Standard	MATHM	4S	4	MTH 8000	3	Quantitative Literacy
		Standard	MATHM	5-7S	5 to 7	MTH 1110 - College Algebra for Calculus	4	Quantitative Literacy
	Math Studies	Standard	MATHS	4-7S	4 to 7	MTH 1080 - Mathematics for Liberal Arts	3	Quantitative Literacy
Philosophy	Philosophy	Higher	PHIL	4-7H	4 to 7	PHI 1010 - Introduction to Philosophy	3	Arts and Humanities
		Standard	PHIL	4-7S	4 to 7	PHI 1010 - Introduction to Philosophy	3	Arts and Humanities
	World Religions	Standard	WREL	4-7S	4 to 7	PHI 8000	3	Arts and Humanities, Global Diversity
Exercise Science	Sports and Exercise Science	None	None	None	None	None	None	None
Business	Business Management	None	None	None	None	None	None	None

Credit for Military Training, Military Occupational Specialties, and Other Training Programs Evaluated by the American Council on Education (ACE)

Military training, Military Occupational Specialties, and other educational programs that have been assessed for college credit by the [American Council on Education](#) (ACE) will be evaluated for transfer credit at MSU Denver for Veteran, Reserve, and Active Duty students.

In addition MSU Denver offers the following package of transfer credit and waivers:

- Either 6 semester hours of lower division elective credit (MILR 8000) for all students who have served four years active duty in the U.S. military OR 3 semester hours of lower division elective credit (MILR 8000) for all students who have served two years active duty in the U.S. military.
- 6 additional semester hours of upper division elective credit (MILR 9000) for students who have either served two terms of service of four years each or attained the rank of E5 or above in the U.S. military.
- 3 credits of [COMM 1010 - Presentational Speaking](#) for all students who served at least one enlistment and achieved the rank of E5 or above in the U.S. military.
- Waiver of the Global Diversity requirement for all students who accumulate at least 6 months of foreign service in the U.S. military.

Applicable credit and waivers will be granted upon presentation of evidence of either continued active service, transfer to the Reserve component, or discharge under conditions other than dishonorable. Students who have been discharged from active service should submit their form DD214 to the Office of the Registrar for evaluation.

To request a military transcript, visit jst.doded.mil. Community College of the Air Force transcripts can be requested [here](#).

Contact Prior Learning Specialist in the Office of the Registrar at 303-605-5574 for the following:

- Guidance in selecting a program of study and optimizing the use of prior learning assessment credit to accelerate the student's path to degree or certificate completion in the chosen program of study.
- Questions regarding credit awarded for military experience or other prior learning assessment options.

The evaluation of previous postsecondary education and training is mandatory and required for VA beneficiaries. For students utilizing Veterans benefits who are approved for transfer credit as a result of this evaluation, the institution will grant appropriate credit, reduce the program length proportionately, notify the student and Veterans Affairs in writing of this decision, and adjust invoicing of the VA accordingly.

VA students' records must be kept for 3 years following the ending date of the last period certified to VA. Referenced law: Title 38 CFR 21.4209(f)

Enrollment

Testing Services

The Office of Testing Services provides testing services that help students determine placement in General Studies courses for their first year at MSU Denver. All first-time students and transfer students who need to take General Studies

courses in Written Communication and Quantitative Literacy are required to complete the writing and mathematics Accuplacer placement examinations prior to enrollment, unless they meet at least one of the following exemptions for each examination:

- If the student has ACT or SAT scores within the past five years, some assessment tests may be waived if the following scores are met or exceeded: an ACT subscore at or above 18 in English (SAT ~~verbal of 440~~ Evidence-Based Reading and Writing of 470) and 19 or 20 in Math (SAT math of 460 or 480).
- Students with Advanced Placement, International Baccalaureate, or College Level Examination Program test results may be exempt from certain placement tests. Students should contact the Transfer Services office at 303-556-3774 for more information.
- Transfer students who have completed the equivalent of the General Studies requirements in Written Communication and Quantitative Literacy are exempt from the placement examinations. Students should contact the Transfer Services office at 303-556-3774 for more information.

For additional information, see the Testing Services website, msudenver.edu/testing, or call 303-615-1700.

General Studies Requirements

Rules for the General Studies Program

To satisfy a particular general studies requirement, a course must appear on the list of approved general studies courses at the time of enrollment in the course.

- General studies courses need not be counted toward general studies requirements. They may be taken as electives or to satisfy requirements in the major or degree program.
- ~~Students with partial credits (for example, resulting from credit transferred from institutions utilizing quarters or trimesters) may receive deviations of less than One hour deviations~~ in the general studies course categories requirements (written communication, oral communication, quantitative literacy, arts and humanities, historical, natural and physical sciences, social and behavioral sciences, and global diversity), ~~may be allowed for transfer students only~~, provided the student completes at least 33 semester hours of general studies coursework.
- Courses taken for a pass/fail grade cannot be counted toward general studies.
- Students may use the multicultural course to satisfy two requirements: (1) Multicultural and (2) General Studies, or major or minor requirements.
- Students seeking a second baccalaureate degree will be considered to have fulfilled MSU Denver's general studies requirements. However, departments may require that these students take additional coursework outside of the major.

Multicultural Graduation Requirements

Transferability of Multicultural Credits

Transfer credits to meet the Multicultural requirement will be accepted under the following guidelines:

- Transferable courses equivalent to an existing Multicultural course will satisfy the MSU Denver Multicultural requirement. Equivalency will be determined by the department offering the course. Once a course has been approved by a department, it will be given the status of an approved transferable Multicultural course.
- The Multicultural Curriculum Review Committee will evaluate courses that do not have a University equivalent course to determine if the course meets MSU Denver criteria for the Multicultural course requirement.
- ~~A one-hour deviation in the Multicultural requirement will be allowed when the transferable course meets MSU Denver's Multicultural definition and course criteria.~~

- Students with partial credits (for example, resulting from credit transferred from institutions utilizing quarters or trimesters) may receive deviations of less than one hour in the Multicultural Requirement.
- An appeal can be made to the Associate Vice President of Curriculum and Academic Effectiveness.

Records and Registration

College Opportunity Fund (COF)

Every eligible Colorado resident who will be a student must apply for the College Opportunity Fund (COF) in order to authorize payment of the state's contribution toward tuition at any public college or university in the State of Colorado, including Metropolitan State University of Denver.

These funds, called "stipends," will be applied to a student's college account each semester and are available for up to 145 credit hours of college-level, undergraduate study. The actual value of the stipend will be determined by the Colorado Legislature each year.

Students must apply online for the stipend at CollegeInColorado.org (select College Opportunity Fund), cof.college-assist.org. Students must authorize the use of the stipend each semester during registration in the Student Hub, msudenver.edu/studenthub.

The COF application requires students to submit their legal name, date of birth, Social Security Number, and Driver's License Number only once in a student's lifetime. The application must be completed before the stipend can be credited to a student's tuition and fee bill.

Students who do not apply for and/or authorize COF will not be eligible for the stipend and will be responsible for paying the total in-state tuition - both the student's share and the state's share.

Eligibility: In-state, undergraduate students will be eligible for the stipend, up to 145 credit hours of college-level, undergraduate study, regardless of age, income or financial aid status. If a student goes over ~~his or her~~ the 145-lifetime-credit hour cap, the student may apply for an institutional one-time, ~~waiver for (3) consecutive terms. one-year waiver of up to 30 credits. All waiver requests must have an advisor's signature and must include a personal statement demonstrating substantial economic hardship, as well as an explanation as to why more than 145 credits is needed in order to obtain the degree.~~

For more information, visit the University's Q&A section on COF, msudenver.edu/cof.

Official Transcripts (Official Academic Record)

The official transcript is a certified copy of the student's permanent academic record. It contains the official signature of the Registrar and the official seal of the University. Students may order transcripts by ~~creating an account with our transcript vendor, Parchment. More information can be found on the Office of the Registrar webpage, msudenver.edu/registrar/transcripts. logging in to the Student Hub, msudenver.edu/studenthub.~~ Requests may be delayed, depending on end-of-term grading and the posting of degrees. ~~Transcripts must be requested by the student. The following information will be needed to create an account/request: Transcripts will only be issued upon written request, which must include:~~

- Student's full, legal name as recorded while attending MSU Denver;
- Student's identification number, ~~if known~~;
- Birth date;
- Last four (4) digits of student's Social Security Number (if student does not have a social security number, enter 0000);
- Last term of attendance, ~~if known~~;

- ~~• To whom and where the transcripts are to be sent;~~
- ~~• Number of copies desired; and~~
- ~~• Student signature authorizing the release of records.~~

~~Transcripts will be withheld due to indebtedness to the University or for other appropriate reasons. Students from other institutions taking MSU Denver courses under the state college system or interinstitutional registration programs must request transcripts from their home institution.~~

Official Transcript (Official Academic Record) (Graduate Catalog)

The official transcript is a certified copy of the student's permanent academic record at Metropolitan State University of Denver. It contains the official signature of the Registrar and the official seal of the University.

Students may order official transcripts online through a third party ordering system

(<https://www.msudenver.edu/registrar/transcripts/>). ~~A student with financial obligations to the University that are due or are unpaid will not be granted an official transcript.~~

Preferred Name (Graduate and Undergraduate Catalog)

MSU Denver is aware that many of its students use a first name other than their legal name. As part of being a welcoming and inclusive campus, MSU Denver will implement changes to increase the use of the preferred first name. However, a student's legal first name will continue to be necessary in certain records and communications; therefore, both the legal first name and preferred name (if desired) will be stored within primary information systems. ~~To initiate the process to include a preferred first name, you must complete the Change of Information form with the Office of the Registrar: <https://msudenver.edu/registrar/studentforms/>~~ A student can add/update a preferred first name in their Student Hub.

Special Registration

Interinstitutional Registration

Interinstitutional registration applies to MSU Denver students taking courses at the Community College of Denver (CCD) and to CCD students taking courses at MSU Denver. Interinstitutional application deadlines are published in the Academic Calendar. During any semester, a student may not be registered interinstitutionally for more than 50% of the total number of hours carried for that term.

For MSU Denver students:

MSU Denver students may register interinstitutionally for a maximum of 9 credits (6 credits in Summer) and; ~~however, students~~ may not register for more interinstitutional credits than they are taking at MSU Denver.

MSU Denver students wishing to enroll at CCD must ~~complete the Interinstitutional Application at obtain the Interinstitutional Application and registration forms from the Office of the Registrar, Student Success Building, Suite 160 (#3); msudenver.edu/registrar/forms. Students should ensure that the coursework is transferable to MSU Denver by receiving approval from their academic department.~~

MSU Denver students are restricted from registering for:

- Certain Colorado Community College (CCC) Online classes at CCD
- ~~• Online or off campus classes at CCD~~
- Remedial classes through the interinstitutional registration process

Interinstitutional courses will not satisfy academic residence requirements for a degree from MSU Denver. The total number of community college credits applicable to a degree from MSU Denver is 64, which includes interinstitutional and transfer credit. Only courses transferable to MSU Denver will apply toward a degree.

For CCD students:

Students from CCD are not eligible to register for online courses or off-campus courses offered at MSU Denver South, including correspondence and tele-courses.

CCD students may not place their names on waitlists for closed classes at MSU Denver.

CCD students are restricted from registering for CU Denver Pooled Courses.

Interinstitutional students enrolled at MSU Denver will be charged all extra fees such as additional class fees, etc.

Student Rights and Responsibilities (Undergraduate Catalog)

Equal Opportunity and Americans with Disabilities Act

Metropolitan State University of Denver is an equal opportunity employer; applications from minorities and women are particularly invited. Metropolitan State University of Denver does not discriminate on the basis of race, color, creed, national origin, sex, age, sexual orientation or disability in admissions or access to, or treatment or employment in, its educational programs or activities. Inquiries concerning the University grievance procedures may be directed to the designated MSU Denver officials. Inquiries concerning Title VI and Title IX may be referred to the MSU Denver Office of Equal Opportunity, Campus Box 63, P.O. Box 173362, Denver, CO 80217-3362, 303-615-0036. Inquiries concerning the Americans with Disabilities Act (ADA) or 504 may be referred to Amanda Berry, ~~Benefits Manager~~ Director of Total Rewards, MSU Denver, Campus Box 67, P.O. Box 173362, Denver, CO 80217-3362, 303-605-5321; ~~Mr. Steve Monaco, Student ADA Coordinator, 303-615-9999~~; Raul Sanchez, Executive Director, Office of Equal Opportunity, Title IX Coordinator, & ADA Coordinator, 303-615-0036; ~~Mr.~~ Greg Sullivan, Director Access Center, MSU Denver, Campus Box 56, P.O. Box 173361, Denver, CO 80217-3361, 303-615-1204. Otherwise, all inquiries may be referred to the Office for Civil Rights, U.S. Department of Education, 1244 Speer Boulevard, Denver, CO 80204, 303-844-3723.

Student Rights and Responsibilities (Graduate Catalog)

MSU Denver's latest, three-year graduation rate for the 2017 cohort of first-time, full-time, graduate-degree-seeking students is ~~68%~~ 69%.

Equal Opportunity and Americans with Disabilities Act

Metropolitan State University of Denver is an equal opportunity employer; applications from minorities and women are particularly invited. Metropolitan State University of Denver does not discriminate on the basis of race, color, creed, national origin, sex, age, sexual orientation or disability in admissions or access to, or treatment or employment in, its educational programs or activities. Inquiries concerning the University grievance procedures may be directed to the designated MSU Denver officials. Inquiries concerning Title VI and Title IX may be referred to the MSU Denver Office of Equal Opportunity, Campus Box 63, P.O. Box 173362, Denver, CO 80217-3362, 303-615-0036. Inquiries concerning the Americans with Disabilities Act (ADA) or 504 may be referred to Amanda Berry, ~~Benefits Manager~~ Director of Total Rewards, MSU Denver, Campus Box 67, P.O. Box 173362, Denver, CO 80217-3362, 303-605-5321; ~~Mr. Steve Monaco, Student ADA Coordinator, 303-615-9999~~; Raul Sanchez, Executive Director, Office of Equal Opportunity, Title IX Coordinator, & ADA Coordinator, 303-615-0036; ~~Mr.~~ Greg Sullivan, Director Access Center, MSU Denver, Campus Box 56, P.O. Box 173361, Denver, CO 80217-3361, 303-615-1204. Otherwise, all inquiries may be referred to the Office for Civil Rights, U.S. Department of Education, 1244 Speer Boulevard, Denver, CO 80204, 303-844-3723.

Student Resources (Grad and Undergraduate Catalogs)

MSU Denver offers a variety of resources to help students as they pursue their academic goals. Commonly accessed resources are included below as links to the services. Most services are available at no additional cost to the student. Students are encouraged to visit each resource listed to understand the benefits associated with each, and for details on how to access applicable services.

- [Academic Advising](#)
- [Access Center](#) - Disability support services
- [Auraria Immunizations](#) - Coordination of the State mandated immunization requirement and additional immunization services.
- [Brother 2 Brother](#) - ~~A male mentoring program focused on academic and social support.~~ A mentoring program focused on academic success and social support for African-American men.
- [Campus Recreation](#) - A place to build community through healthy living outlets such as working out, group fitness classes, personal training, sports leagues, open recreation, outdoor pursuits and leadership programs.
- [CARE Team](#) - Provides assessment and case management support for students who are struggling or who may be displaying behaviors of concern.
- [Center for Advanced STEM Education](#) - Assists STEM majors through academic, financial, and peer mentor supports.
- [Center for Equity and Student Achievement \(CESA\)](#)
- [Civic Engagement Program](#) - Offering educationally meaningful service opportunities that positively impact the community and provide opportunities for students to develop as engaged citizens.
- [Classroom to Career Hub](#) - Provides relevant and impactful career development for the full student body.
- [College Assistance Migrant Program \(CAMP\)](#) - Designed to meet the academic, financial, and social needs of migrant/seasonal farmworkers and their children in pursuing higher education.
- [College Completion](#) - Helps all students find their best path to graduation, specifically those with 90 credits or above.
- [Counseling Center](#) - Individual and group therapy, crisis intervention and outreach to students.
- [COVID-19 Impacts and Responses](#) - Campus-related COVID updates and information
- [Dean of Students Office](#) - The hub for student support and referrals. Manages/addresses student conduct matters, offers student conflict resolution services, and supports students and the community with other needs.
- [EPIC Scholars Program](#) - Supports independent students ~~coming~~ transitioning from foster care, kinship care, adoption, or group homes.
- [Excel Programs](#) - Pre-collegiate and retention services for students in select Adams county and Aurora Public schools.
- [Exploratory Advising](#)
- [Fraternities and Sororities](#)
- [Gender Institute for Teaching and Advocacy \(GITA\)](#) - Holistically supports students affected by sexism and other intersecting oppressions through academics, advocacy, and services, which include academic advising, scholarship assistance, advocacy and problem solving, wellness and lactation rooms, a snack stop, and space for community organizing.
- [Health Center at Auraria](#) - Medical and Mental Health services for students
- [Healthy Pursuits](#) - Free Group Fit and Mind Body Fitness Classes
- [Honors Program](#)
- [Immigrant Services](#) - Refugee, immigrant students, ASSET, DACA, and English Language Learner support.
- [Immunization Program](#)
- [Individualized Degree Program](#) - Create your own major and minor
- [International Studies](#) - Study abroad opportunities, Exchange Programs, Fullbright Student Award, Erasmus Scholarships.
- [Internship Program](#) - Assists students in finding paid or unpaid internship opportunities and gaining academic credit for the experience.
- [LGBTQ Student Resource Center](#)
- [Met Media](#) - Student newspaper, radio, arts/literary magazine, and news broadcasts
- [Metro Meritus](#) - Lifelong learning for older adults
- [MSU Denver Student Insurance](#) - Manages the Student Health Insurance Plan
- [Orientation](#) - Provides in-person and online programming to support students in successfully starting and engaging in their college experience.
- [Pathways to Possible](#)

- [Peer Mentoring](#) - Individuated support and advocacy to all student throughout campus via direct outreach and co-curricular programming.
- [Phoenix Center at Auraria](#) - Interpersonal violence prevention, awareness, and support
- [Prior Learning Assessment](#) - Turn work and significant experience into college credit
- [Registrar's Office](#)
- [Roadrunner Food Pantry](#) - Provides food, resources, and community referrals for current MSU Denver students.
- [Roadways Into Developing English Skills \(RIDES\)](#) - Intensive writing support for multilingual students
- [Roadrunners Give Back Volunteer Program](#)
- [Scholarship Support](#) - Fosters a community of scholars through leadership activities, proactive coaching, scholar events, and professional development.
- [Service Learning Program](#) - Classroom learning combined with community-based service. This is a great way to gain real world experience through classwork.
- [Student Care Center](#) - The hub for student support and referrals. Services include *non-clinical* case management, student emergency fund, DREAMer emergency fund, roadrunner food pantry, Epic Scholars program, public benefit assistance and Single Stop.
- [Student Conflict Resolution Services](#) - Provides mediation, conflict coaching, group dynamics services, and the Dialogues Program.
- [Student Emergency ~~Retention~~ Fund](#) - An application process for students experiencing a financial crisis/emergency.
- [Student Government Assembly Student Advocacy Council](#)
- [Student Health Insurance](#)
- [Student Organizations](#)
- [Student Travel and Professional Development Funding](#) - Grant funding available for students to travel to professional conferences and meetings.
- ~~[Summer Bridge/Melt](#) - Provides students with support between freshman and sophomore year.~~
- [Supplemental Instruction](#) - A voluntary program that offers free, regularly scheduled study sessions for traditionally difficult course.
- [TRiO Student Support Services](#) - Support for first-generation, low-income students, and students with disabilities
- [Tutoring](#) - Provides individualized support to students in overcoming academic obstacles or barriers.
- [Testing Services](#) - Offers placement testing for the student body to assist advisers in determining the selection of appropriate courses.
- ~~[Transfer Student Success](#) - Helps students create a foundation for success by aiding them in their transition to MSU Denver and connecting them to appropriate resources and departments.~~
- [Transfer and Adult Student Success](#) - We support transfer, adult, and re-engaged students by: connecting students to programs and resources based on student needs and interests; building community with other students, staff and faculty; and fostering an environment for academic, professional, and personal success.
- [Undergraduate Research and Creative Scholarship Program](#) - Resource for students wanting to engage in research activities, presenting and grant opportunities
- [Veterans Education Benefits](#)
- [Veteran/Military Student Center](#)
- [Writing Center](#) - One on one writing tutoring and support for all students

The University and Its Mission

Metropolitan State University of Denver is a comprehensive university offering bachelor's and master's degrees on the Auraria Campus in downtown Denver. Founded in 1965, MSU Denver serves about 20,000 students and educates more undergraduate Coloradans than anyone else in the state.

Role and Mission

MSU Denver is a comprehensive, baccalaureate- and master's-degree granting urban university that offers arts and sciences, professional and business courses and programs to a diverse student population in an atmosphere of mutual respect. Excellence in teaching and learning is MSU Denver's primary objective.

MSU Denver's mission is to provide a high-quality, accessible, enriching education that prepares students for successful careers, post-graduate education, and lifelong learning in a multicultural, global, and technological society. To fulfill its mission, MSU Denver's diverse university community engages the community at large in scholarly inquiry, creative activity and the application of knowledge.

Undergraduate Degrees and Programs

With its modified, open admissions policy, the University welcomes students from all walks of life and circumstances, including all levels of academic preparation consistent with statutory guidelines, all conditions of economic and income status, all ages, and all ethnic and cultural backgrounds. In addition to degree-seeking students, non-degree students seeking opportunities for continuing education are welcomed.

- MSU Denver is required to serve adult students. Students who are 20 years of age or older and hold a GED or high school diploma are automatically admitted to MSU Denver, irrespective of their academic record.
- MSU Denver is required to serve traditional-age students of all levels of achievement and potential. As a result, the University enrolls a rich mix of recent high school graduates and transfer students, many with excellent grades and test scores and others with more modest achievements.
- MSU Denver is required to be accessible to all. That is why, with its tuition remaining among the lowest in the state, MSU Denver is Colorado's best value in education.
- Degrees and programs are offered in in-person, online, and hybrid formats, and available formats are listed on each major program page. MSU Denver students have complete flexibility to choose the course formats they prefer, and can mix and match formats regardless of the program they are pursuing.

The University is primarily a teaching institution in which excellence in teaching and learning is accorded the highest priority. Student success, supported in a collegial atmosphere of academic freedom, is of paramount importance, and all members of the college community seek to inspire students to strive for the highest level of achievement. The University endeavors to provide students with an education that enhances the quality of their lives and enables them to be well-educated, critically thinking citizens who contribute and participate in meaningful ways in community and civic life.

At the undergraduate level, MSU Denver awards bachelor of science, bachelor of arts, bachelor of fine arts, bachelor of music and bachelor of music education degrees. Students may choose from more than 95 majors, more than 95 minors, and more than 30 certificate programs offered through three colleges: Business; Letters, Arts and Sciences; and Health and Applied Sciences; as well as the School of Education and the School of Hospitality. Programs range from the traditional disciplines, such as history and biology, to contemporary fields of study, such as biochemistry, athletic training, and communication design. MSU Denver offers several bachelor's degree programs unique in Colorado, including aviation management, health care management, meteorology, and integrative healthcare. Students may also design their own degree through the Individualized Degree Program.

Graduate Degrees

MSU Denver offers advanced degrees in several graduate programs: Master of Science in Cybersecurity, Master of Professional Accountancy, Master of Social Work, Master of Business Administration, Master of Science in Clinical Behavioral Health, emphasis in Addictions Counseling, Master of Health Administration, Master of Science in Human Nutrition and Dietetics, and Master of Arts in Teaching with concentrations in Elementary Education and Special Education to a diverse population in an atmosphere of mutual respect. The master's programs are professionally-oriented degrees that will help to prepare students for success and accommodate graduates' increased engagement with community needs. Students interested in the master's programs should refer to the Graduate Catalog for details.

Students

As an urban university committed to serving the local community, MSU Denver attracts students from a diverse mixture of age groups, socioeconomic classes, ethnic backgrounds and lifestyles. The University's curriculum and philosophy reflect that diversity and enrich the urban experience.

Current undergraduate enrollment as of Fall ~~2020-2021~~ is ~~17,743~~ 16,396. Students range in age from ~~14-13~~ to ~~74~~ 76 with an average age of 25. MSU Denver enrolls the highest number of undergraduate students of color (~~48%~~ 50%) of all four-year colleges in the state.

About ~~63%~~ 60% of undergraduate students are enrolled full time, with ~~57%~~ 58% of students being first-generation to college. Ninety-~~two~~ ~~one~~ percent of undergraduate students reside in the seven county area of the Denver metropolitan area.

Faculty

~~Almost 600~~ Over 560 full-time faculty teach for MSU Denver. Professors are recruited and evaluated for their ability to teach and engage students. All classes are taught by academic instructors. As a culturally diverse team of academicians, ~~51%~~ 53% of full-time faculty are women, and ~~25%~~ 27% represent faculty of color.

The University also brings real-world education into the classroom by hiring affiliate faculty who work in the Denver metropolitan community and use their expertise and experience in the arts, business, communication, law, politics, the sciences and technology in their teaching. For a complete list of faculty and their credentials, please visit the Faculty page.

College of Business

Program Modification

Master of Business Administration

The College of Business at MSU Denver offers a Master of Business Administration (MBA) with three concentrations to choose from: Strategic Business, Business Analytics, and Accounting.

Mission of the MSU Denver MBA Program

We transform students into effective business professionals. We do this by providing an accessible, flexible, and high quality MBA education made possible through excellence in teaching, individualized attention, and hands-on experiences, all at an exceptional value.

MBA Program Goals

The goals of the MSU Denver MBA Program support the missions of the University and the College of Business.

Graduates of the MSU Denver MBA Program will develop and demonstrate competence in written, oral, and collaborative communication skills (LG 1). MSU Denver MBA graduates will be effective problem solvers with a practical, real-world focused perspective supported by familiarity with decision making models and analytical tools (LG2). Finally, MSU Denver MBA graduates will possess both functional and cross-functional business knowledge reinforced with an appreciation of the ethical and global issues that so profoundly affect contemporary business practice.

Accreditation

In addition to the distinction of being the value leader in the Denver metro area the MSU Denver MBA program is accredited as part of the MSU Denver College of Business's AACSB accreditation. AACSB is world-recognized as the leading accreditor of colleges and schools of business. Less than 5% of all business programs worldwide have earned the prestige of AACSB accreditation.

MBA Program Admission

Admission Criteria

Applicants who hold a bachelor's degree from a regionally accredited college or university in any discipline may apply. Admission to the program is based on evaluation of the following materials:

1. One of the following:
 - GMAT score
 - Earned graduate degree from a regionally accredited college or university
 - Portfolio documenting at least five years of significant business and management experience
2. Transcripts from all colleges and universities attended
3. Essay
4. Resume
5. Completed application form
6. Application fee

All admission decisions will be made by an MBA admissions committee. Most students are advised to gain two or more years of work experience before enrolling in the MBA program given that a key part of the experience comes from learning from and networking with fellow students.

Leveling Requirements

Applicants who do not have either an undergraduate business degree or graduate business degree and have less than eight years of significant business and management experience will be required to successfully complete online leveling modules prior to beginning MBA coursework.

International Applicants

Additional documentation is required. Please visit the International Student Admissions webpage: msudenver.edu/admissions/apply/internationalstudents/

Non-degree Seeking Students

Non-degree seeking students have the option to take up to 9 credit hours of MBA coursework on a space available basis. Non-degree seeking students eligible to enroll in MBA courses include:

- Students with a bachelor's degree (or higher) and from a regionally accredited college or university with a GPA ≥ 3.0 ;
- Students with a bachelor's degree and approved professional examination or licensure; and
- Students currently admitted to a graduate business program at another regionally accredited college or university.

Non-degree seeking students in the above categories must submit the following:

- Completed graduate application
- Application fee
- Official transcripts from all colleges and universities previously attended
- If applicable, official proof of successful completion of the professional exam or licensure
- If applicable, proof of admission to a graduate business program at another regionally accredited college or university.

Students currently admitted to another graduate program at Metropolitan State University of Denver may take a limited number of MBA courses to fulfill their degree requirements. Applicants in this category must submit a letter from their dean or academic advisor stating that they are in good academic standing and that the requested business courses will be accepted for their graduate degree program.

If a non-degree seeking student would like to become degree-seeking, the student must apply to become degree-seeking and must have earned an average GPA of 3.0 or above in the MBA program courses they have completed.

Advancement to Candidacy

All students accepted into the Master of Business Administration program must adhere with the following MBA Program academic policies:

- Students in the MBA program must complete the degree with a cumulative GPA of 3.0 or higher. No more than two (2) grades of C-, C, or C+ will count toward the degree requirements, and no grade lower than a C- will count toward the degree. All grade records remain on the master's transcript and count toward the cumulative GPA. A student who receives three (3) grades of less than a B- will be dismissed from the program.
- Students must complete the MBA Capstone (MBA 6500) with a minimum grade of B-.
- Students may enroll in no more than fifteen (15) credit hours per semester. Students who wish to take over 15 credits are required to seek approval. For more information, please contact the Associate Dean or MBA Advisor at 303-615-1117 or mba@msudenver.edu.
- Master's students are considered full-time if they are registered for six (6) credit hours, half-time if registered for three (3) credit hours, and less than half-time if registered for two (2) or fewer credit hours.
- Students must complete the master's degree within six (6) calendar years from the semester of initial enrollment.
- Students not enrolled for three (3) consecutive semesters (including summer) must submit a re-admission application. Students requesting re-admission must be in good academic standing and must submit their application for re-admission to the master's program in which they have been enrolled.
- The Student Code of Conduct will apply to all MSU Denver students, regardless of level. Access the Student Code of Conduct.
- Students must adhere to MSU Denver's residency requirement for graduate students.

MBA Program Requirements

Students will complete 27 hours of required MBA Core courses, and a 9 credit hour area of concentration. An MBA concentration is comprised of at least 9 credit hours in a particular discipline, allowing students to develop more in-depth expertise. The overall MBA program requires a minimum total requirement of 36 credit hours.

MBA Core (27 credit hours)

All MBA students complete course work in each of the major functional areas of business. The MBA core develops and reinforces the functional and cross-functional knowledge component of the MBA program. Once all MBA Core coursework is successfully completed, students take an integrative capstone course that reinforces cross-functional thinking and problem solving.

- MBA 5105 - Accounting Concepts **Credits:** 3
- MBA 5205 - Information Systems Strategy Planning **Credits:** 3
- MBA 5305 - Managerial Economics **Credits:** 3
- MBA 5405 - Corporate Finance **Credits:** 3

- MBA 5505 - Legal Analysis and Sustainability **Credits: 3**
- MBA 5510 - Operations and Supply Chain Management **Credits: 3**
- MBA 5520 - Global Enterprise Management **Credits: 3** (or approved study abroad)
- MBA 5605 - Marketing Analysis and Planning **Credits: 3**
- MBA 6500 - Integrative and Strategic Perspectives of Organizations **Credits: 3** (prerequisite: completion of MBA Core)

Subtotal for MBA Core: 27 credit hours

MBA Area of Concentration (9 credit hours)

The MBA area of concentration allows students to develop more in-depth expertise based on their interests and career aspirations.

Strategic Business Concentration

Select three of the following courses:

- MBA 5140 - Strategic Cost Management **Credits: 3**
- MBA 5480 - Strategic Finance **Credits: 3**
- MBA 5580 - Transforming Organizations through Leadership **Credits: 3**
- MBA 5680 - Advanced Strategic Marketing and Analysis **Credits: 3**

Subtotal for Strategic Business Concentration: 9 credits

Business Analytics Concentration

Select three of the following courses:

- MBA 5210 - Knowledge Discovery using Business Analytics **Credits: 3**
- MBA 5220 - Practical Business Analytics **Credits: 3**
- MBA 5230 - Data Mining for Business Intelligence **Credits: 3**
- **MBA 5640 – Analytics and Statistics for Marketing Decisions Credits: 3**

Subtotal for Business Analytics Concentration: 9 credits

Accounting Concentration

Select three of the following courses. Note that some of these courses may have pre-requisites that must be satisfied prior to enrollment.

- MBA 5107 - Taxation for Decision Makers **Credits: 3**
- MBA 5110 - Financial Accounting and Reporting **Credits: 3**
- MBA 5140 - Strategic Cost Management **Credits: 3**
- MBA 5160 - Fraud Examination Awareness Seminar **Credits: 3**
- MBA 5180 - Applied Internal Auditing **Credits: 3**
- MBA 5190 - Internal Audit Projects **Credits: 3**

Subtotal for Accounting Concentration: 9 credits

General Concentration

- Students take any three courses from any of the other MBA concentrations.

Subtotal for General Concentration: 9 credits

Total for MBA Program: 36 credits

Department of Finance

New Program

Real Estate Minor

Students in the Real Estate minor will examine the business and legal environment of Real Estate.

Required Courses

- FIN 3010 - Financial Markets and Institutions **Credits: 3**
- FIN 3800 - Real Estate Practice and Law **Credits: 3**
- FIN 3810 - Advanced Real Estate Practice and Law **Credits: 3**
- REL 2200 - Introduction to Real Estate **Credits: 3**
- REL 3000 - Residential Property Management **Credits: 3**
or
- REL 3300 - Commercial Property Management **Credits: 3**
- REL 3400 - Real Estate Technology **Credits: 3**
- REL 4200 – Appraisal Principles, Procedures, and Ethics **Credits: 3**

Total for Real Estate Minor: 21 credits

Department of Management

Program Modification

Entrepreneurship Minor

The Entrepreneurship Minor provides a foundation in business and entrepreneurship for non-business majors that prepares them to start a business venture related to the area/discipline of their major course of study.

Required Courses

- MGT 2500 - Small Business Entrepreneurship **Credits: 3**
- MGT 3020 - Entrepreneurship Feasibility and Analysis **Credits: 3**
- MGT 4420 - Entrepreneurial Business Planning **Credits: 3**
- MKT 3000 - Principles of Marketing **Credits: 3**

CHOOSE ONE OF THE FOLLOWING:

- ACC 1010 - Fundamentals of Accounting **Credits: 3**
OR
- FIN 2220 - Small Business Financing **Credits: 3**

Subtotal: 15 credits

Elective Course

Plus 3 credit hours from approved entrepreneurship elective courses:

- MGT 2210 - Legal Environment of Business I **Credits: 3**
- MGT 3000 - Organizational Management **Credits: 3**
- MGT 3850 - Global Entrepreneurship **Credits: 3**
- MGT 3860 - Social Entrepreneurship **Credits: 3**
- MGT 3980 - Internship in Management **Credits: 1-15**
- **MGT 4430 Operationalizing a Small Business Credits: 3**
- MGT 4850 - Organizational and Management Consulting **Credits: 3**
- MKT 3100 - Retail Marketing **Credits: 3**
- MKT 3110 - Advertising and Promotion Management **Credits: 3**
- MKT 3190 - Marketing for Social Good **Credits: 3**
- MKT 3310 - Consumer Behavior **Credits: 3**
- MKT 3910 - New Product Development **Credits: 3**
- MKT 4300 - Social Media Marketing **Credits: 3**

Subtotal: 3 credits

Total for Entrepreneurship Minor: 18 credits

Program Modification

International Business Concentration

For Business Majors Only

The International Business Concentration offers business majors an opportunity to add an international component to their degree program. It provides basic information to students to help them gain entry into international business positions.

Economics, Global Business Studies, and International Business Majors cannot declare an International Business Concentration, however, Economics Majors may add an International Business Minor.

The International Business Concentration will provide business students with detailed information about the functions of business that play an important role in the international business arena.

Students must complete each course in the concentration with a grade of "C-" or better. The courses cannot be taken pass/fail. Some courses in the concentration have prerequisites which must be satisfied. These prerequisites do not count toward the completion of the concentration. A course applied to a student's major degree program cannot be applied toward the International Business Concentration requirements. A student must complete at least six (6) upper-division semester hours in courses applied toward the International Business Concentration in residency at MSU Denver.

Required Courses

Students must select 12 semester hours from the following courses, with no more than two courses in a single prefix. At least one course must be MGT 3820 or MKT 3710. (Courses have prerequisites that must be satisfied.)

- ACC 3750 - International Accounting Credits: 3
- ECO 3550 - Global Economics and International Trade Credits: 3
- ECO 3700 - Political Economy of the Middle East and North Africa Credits: 3
- ECO 4450 - International Macroeconomics Credits: 3
- FIN 3100 - International Money and Finance Credits: 3

- MGT 3230 - International Business Law Credits: 3
- MGT 3820 - International Business Credits: 3
- MGT 3850 - Global Entrepreneurship Credits: 3
- MKT 3710 - International Marketing Credits: 3

Subtotal: 12 credits

Plus a minimum of 6 semester hours from the following courses:

- Approved international business internship*
- Approved business study abroad
- Foreign language course

Subtotal: 6 credits

Total for the International Business Concentration: 18 credits

* *Cannot be a job the student is currently doing. Must be approved by the ~~College of Business Dean-Management~~ Department Chair.*

Program Modification

International Business Minor

This minor is intended for ~~non-business majors~~ students who want to add some study of business from an international perspective to their degree programs. An International Business minor will give ~~non-business~~ students an overview of the functions of companies and provide them information about doing business in an international context.

~~Courses used for a major or a minor other than the International Business Minor or used to satisfy General Studies requirements cannot be used for the International Business Minor.~~ Students with business majors (except Economics, Global Business Studies, and International Business) may select an International Business Concentration instead of an International Business Minor.

The courses cannot be taken pass/fail. Contact an International Business advisor for more information. At least nine credit hours of the required courses for the international business minor must be completed in residency at MSU Denver.

~~Contact an International Business advisor for more information.~~

A grade of "D" or better is required for each course in this program to count toward the Bachelor's degree.

Required Courses

- BUS 1850 - Introduction to Business Credits: 3
- BUS 2250 - Personal Money Management Credits: 3
- ECO 2010 - Principles of Macroeconomics Credits: 3

OR

- ECO 3550 - Global Economics and International Trade Credits: 3
- MGT 3820 - International Business Credits: 3
- MKT 2010 - Marketing Around the Globe Credits: 3

Subtotal: 15 credits

Select 3 semester hours from the following (courses have prerequisites that must be satisfied):

- ACC 2010 - Principles of Accounting I Credits: 3
- CIS 2010 - Foundations of Information Systems Credits: 3
- ECO 2020 - Principles of Microeconomics Credits: 3
- FIN 3010 - Financial Markets and Institutions Credits: 3
- MGT 2210 - Legal Environment of Business I Credits: 3
- MGT 3000 - Organizational Management Credits: 3
- MKT 3000 - Principles of Marketing Credits: 3

Subtotal: 3 credits

Select 3 semester hours from the following (courses have pre-requisites that must be satisfied):

- ECO 3700 - Political Economy of the Middle East and North Africa Credits: 3
- ECO 4450 - International Macroeconomics Credits: 3
- MGT 3230 - International Business Law Credits: 3
- MGT 3850 - Global Entrepreneurship Credits: 3
- MKT 3710 - International Marketing Credits: 3
- Approved international business study abroad
- Approved international business internship
- Foreign language (one course)

Subtotal: 3 credits

Total for the International Business Minor: 21 credits

Program Modification

Management Major, B.S.

[Department of Management](#)

[College of Business](#)

Available Program Format(s): [Online, In-Person, Hybrid](#)

About the Program

The Management Major offers the choice of a general degree in Management or the option of four concentrations (i.e., Entrepreneurship, Human Resource Management, Legal Environment of Business, or Operations & Supply Chain Management) in which studies in management may be focused on a particular area of practice.

Student Outcomes

Students will be able to understand concepts and analytical tools required for managing organizations in different contexts and be ready to apply them to the organizations that they work now or future.

General Degree Requirements

To earn a degree, students must satisfy all requirements in each of the four areas below, in addition to their individual major requirements.

- [Degree and Certificate Requirements](#)
- [General Studies Requirements](#)
- [Multicultural Graduation Requirements](#)
- [Senior Experience Graduation Requirements](#)

Program Requirements

- A total of 120 semester hours are required for graduation.
- To earn a Bachelor of Science degree in Management, a student must successfully complete 30 or more credit hours of business coursework at MSU Denver. This 30-hour residency requirement can be met by completing any business courses with the prefix ACC, ACCM, BNK, BUS, CIS, ECO, FIN, MGT, MKT, and REL and a course number of 2000 or higher. A student must complete at least twelve (12) upper-division semester hours in Management at MSU Denver.
- MSU Denver requires that students successfully complete forty (40) or more credit hours of upper division coursework.
- A grade of C- or better is required for each course in this program to count toward the bachelor's degree. Students should note that programs differ in the minimum grade required.
- A minor is not required for this program.
- Students may take more than two management elective courses. Additional management courses will be counted as unrestricted general electives.
- Students may want to consider adding the International Business Concentration to their degree program.

General Studies Requirements: 33 credits

Students should consult the General Studies Requirements for a list of courses that fulfill the General Studies Requirements for degree completion.

- Written Communication (6 credits)
- Oral Communication (3 credits)
 - **Recommended:** Students may fulfill this requirement by taking a course listed in the College of Business Requirements such as COMM 1010 - Presentational Speaking or COMM 1100 - Fundamentals of Oral Communication
- Quantitative Literacy (3 credits)
 - **Recommended:** Students may fulfill this requirement by taking MTH 1310 - Finite Mathematics for the Management and Social Sciences, as it is the pre-requisite for MTH 1320, which is an "Additional Requirement" for College of Business students completing any Bachelor of Science major.
- Arts and Humanities (6 credits)
- Historical (3 credits)
- Natural and Physical Sciences (6 credits)
- Social and Behavioral Sciences (6 credits)
 - **Recommended:** Students may fulfill this requirement by taking courses listed in the College of Business Requirements such as ECO 2010 - Principles of Macroeconomics and ECO 2020 - Principles of Microeconomics
- Global Diversity (0 or 3 credits**)

*** Students will fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; natural and physical sciences; or social and behavioral sciences.*

Multicultural Requirement: 0 or 3 credits

- Students should consult the Multicultural Graduation Requirements for a list of courses that fulfill the Multicultural Requirement for degree completion.
- Many programs include courses that meet this requirement. Students should consult with their advisor to determine what program courses may fulfill this requirement.

- **Recommended:** Students may fulfill this requirement by taking MGT 4830 - Workforce Diversity which is approved as a Multicultural and Senior Experience course.

Business Core: 36 credits

All business majors require foundation course work in all significant areas of business theory and practice. The following courses are required for all majors in management. A grade of "C-" or better must be earned in each business core course to have that course count toward the Bachelor of Science degree in Management. Students should note that programs differ in the minimum grade required. A student cannot register for a business core course until all General Studies requirements in Written Communication, Oral Communication, and Quantitative Literacy are complete.

- BUS 1850 - Introduction to Business **Credits: 3 ***
- BUS 1950 - Business Communication **Credits: 3**
- ACC 2010 - Principles of Accounting I **Credits: 3**
- ACC 2020 - Principles of Accounting II **Credits: 3**
- CIS 2010 - Foundations of Information Systems **Credits: 3**
- CIS 3300 - Business Analytics I (Descriptive and Predictive) **Credits: 3**
- CIS 3320 - Business Analytics II (Prescriptive) **Credits: 3**
- FIN 3300 - Managerial Finance **Credits: 3**
- MGT 2210 - Legal Environment of Business I **Credits: 3**
- MGT 3000 - Organizational Management **Credits: 3**
- MGT 4950 - Strategic Management **Credits: 3**
- MKT 3000 - Principles of Marketing **Credits: 3**

** Transfer students that transfer in 6 or more credits of business courses will not need to take BUS 1850 but may take any other College of Business 3-credit hour course that does not appear in their Major or Business Core requirements.*

College of Business Requirements: 15 credits

- BUS 3040 - Global Corporate Social Responsibility and Sustainability **Credits: 3**
- COMM 1010 - Presentational Speaking **Credits: 3**
or
- COMM 1100 - Fundamentals of Oral Communication **Credits: 3**
- ECO 2010 - Principles of Macroeconomics **Credits: 3**
- ECO 2020 - Principles of Microeconomics **Credits: 3**
- MTH 1320 - Calculus for the Management and Social Sciences **Credits: 3** (pre-requisite: MTH 1310; can also accept MTH 1109, MTH 1110, MTH 1112, or MTH 1400; with a grade of C- or better)

Management Major Required Courses: 18 credits

- MGT 3020 - Entrepreneurship Feasibility and Analysis **Credits: 3**
- MGT 3220 - Legal Environment of Business II **Credits: 3**
- MGT 3530 - Human Resources Management **Credits: 3**
- MGT 3550 - Operations Management **Credits: 3**
- MGT 3820 - International Business **Credits: 3**
- MGT 4530 - Organizational Behavior **Credits: 3**

Option 1: Management Degree: 6 credits

In addition to the six required courses (18 semester hours) for the Management Major, students seeking a general degree in management must select two courses from any MGT 3000- or 4000-level course, including, but not limited to:

- MGT 3230 - International Business Law **Credits: 3**
- MGT 3240 - Employment and Human Resource Law **Credits: 3**
- MGT 3250 - Colorado Water Law and Water Rights Administration **Credits: 3**
- MGT 3260 - Managing Business Risk **Credits: 3**
- MGT 3720 - The Conscious Business: Sustainable Business Strategies for the 21st Century **Credits: 3**
- MGT 3850 - Global Entrepreneurship **Credits: 3**
- MGT 3860 - Social Entrepreneurship **Credits: 3**
- MGT 3980 - Internship in Management **Credits: 1-15**
- MGT 4050 - Purchasing and Supply Chain Management **Credits: 3**
- MGT 4350 - Enterprise Planning **Credits: 3**
- MGT 4420 - Entrepreneurial Business Planning **Credits: 3**
- MGT 4550 - Project Management **Credits: 3**
- MGT 4610 - Labor/Employee Relations **Credits: 3**
- MGT 4620 - Performance Management and Reward Systems **Credits: 3**
- MGT 4640 - Employee Training and Development **Credits: 3**
- MGT 4660 - Employee Selection **Credits: 3**
- MGT 4830 - Workforce Diversity **Credits: 3**
- MGT 4850 - Organizational and Management Consulting **Credits: 3**
- **MGT 4910 – Strategic Leadership Credits: 3**

Option 2: Management Degree with Concentration

In addition to the six required courses (18 semester hours) for the Management Major, students seeking a more specialized degree in management may choose from the following concentrations:

Entrepreneurship Concentration: 15 credits

Required Entrepreneurship Concentration Courses: 9 credits

- MGT 3850 - Global Entrepreneurship **Credits: 3**
- MGT 4420 - Entrepreneurial Business Planning **Credits: 3**
- MGT 4850 - Organizational and Management Consulting **Credits: 3**

Entrepreneurship Concentration Electives: 6 credits

Select two courses from below:

- FIN 3320 - Entrepreneurial Finance **Credits: 3**
- MGT 3240 - Employment and Human Resource Law **Credits: 3**
- MGT 4050 - Purchasing and Supply Chain Management **Credits: 3**
- **MGT 4430 Operationalizing a Small Business Credits: 3**
- MGT 4640 - Employee Training and Development **Credits: 3**
- MKT 3010 - Marketing Research **Credits: 3**
- MKT 3250 - Personal Selling **Credits: 3**

- MKT 3310 - Consumer Behavior **Credits: 3**
- MKT 4300 - Social Media Marketing **Credits: 3**

Human Resource Management Concentration: 15 credits

Required Human Resource Management Concentration Courses: 12 credits

- MGT 3240 - Employment and Human Resource Law **Credits: 3**
- MGT 4620 - Performance Management and Reward Systems **Credits: 3**
- MGT 4640 - Employee Training and Development **Credits: 3**
- MGT 4660 - Employee Selection **Credits: 3**

Human Resource Management Concentration Electives: 3 credits

Select one course from below:

- FIN 3450 - Retirement Planning and Employee Benefits **Credits: 3**
- MGT 3260 - Managing Business Risk **Credits: 3**
- MGT 4550 - Project Management **Credits: 3**
- MGT 4610 - Labor/Employee Relations **Credits: 3**
- MGT 4680 - Strategic Human Resource Management **Credits: 3**
- MGT 4830 - Workforce Diversity **Credits: 3**
- MGT 4850 - Organizational and Management Consulting **Credits: 3**

Legal Environment of Business: 15 credits

Required Legal Environment of Business Concentration Courses: 9 credits

- MGT 3230 - International Business Law **Credits: 3**
- MGT 3240 - Employment and Human Resource Law **Credits: 3**
- PSC 3120 - American Constitutional Law **Credits: 3**

Required Legal Environment of Business Concentration Electives: 6 credits

Select two courses from below:

- MGT 3250 - Colorado Water Law and Water Rights Administration **Credits: 3**
- MGT 3260 - Managing Business Risk **Credits: 3**
- JMP 3780 - Communication Law **Credits: 3**
- CJC 2050 - American Judicial System **Credits: 3**
- CJC 2100 - Criminal Law **Credits: 3**
- CJC 3110 - Constitutional Issues in Criminal Procedure and Evidence **Credits: 3**

Operations and Supply Chain Management Concentration: 15 credits

Required Operations and Supply Chain Management Concentration Courses: 9 credits

- MGT 4050 - Purchasing and Supply Chain Management **Credits: 3**
- MGT 4350 - Enterprise Planning **Credits: 3**

- MGT 4550 - Project Management **Credits: 3**

Operations and Supply Chain Management Concentration Electives: 6 credits

Select two courses from below:

- CIS 3490 - Managing Business Information with Enterprise Systems **Credits: 3**
- CIS 4410 - Management Information Systems **Credits: 3**
- MET 1010 - Manufacturing Processes **Credits: 3**
- MET 1310 - Principles of Quality Assurance **Credits: 3**
- MGT 3230 - International Business Law **Credits: 3**
- MKT 3410 - Marketing Channels **Credits: 3**
- MKT 3610 - Business-to-Business Marketing **Credits: 3**
- MKT 3910 - New Product Development **Credits: 3**
- COMM 3070 - Interpersonal Negotiation **Credits: 3**

Senior Experience: 3 credits

- MGT 4950 - Strategic Management **Credits: 3** (this course is also required in the Business Core)

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Business Core	36 credits
College of Business Requirements	15 credits
Major Required Courses	18 credits
Option 1 No Concentration	6 credits
Option 2 Degree with Concentration	15 credits
Senior Experience	(counted in business core)
Unrestricted Electives	0-24 credits
Total for the Management Major, B.S.	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

Department of Aviation and Aerospace Science

Program Modification

Aviation and Aerospace Science (ASC) Major, B.S.

[Department of Aviation and Aerospace Science](#)

Available Program Format(s): [In-Person](#)

[College of Health and Applied Sciences](#)

About the Program

All students must complete 33 semester hours of General Studies. Some General Studies courses are required by the major, so students would benefit from taking those courses for their General Studies courses. The Aviation and Aerospace Science curriculum guide, available in the AVS Department office, SS 102, lists recommended General Studies courses, each degree program with a recommended course sequence, and AVS policies and procedures. Students should schedule an advising session with an AVS faculty member early in their first semester in the department and each semester thereafter.

Student Outcomes

- Demonstrate comprehension of the flight environment, including weather for VFR and IFR ops, airspace operations, navigation and positional awareness, and the variety of digital and physical flight resources and publications.
- Describe and explain aircraft performance, with respect to atmospheric conditions, aircraft capabilities, and resource and risk management including human factors, decision making, and situational awareness.
- Summarize aviation security strategies and implementations applied to airport and airline operations.
- Identify and summarize domain-accepted principles and practices, procedural methods, and industry standards germane to establishing a professional flight foundation.

General Degree Requirements

To earn a degree, students must satisfy all requirements in each of the four areas below, in addition to their individual major requirements.

- [Degree and Certificate Requirements](#)
- [General Studies Requirements](#)
- [Multicultural Graduation Requirements](#)
- [Senior Experience Graduation Requirements](#)

Program Requirements

- A total of 120 semester hours are required for graduation.
- A grade of D- or better is required for each course in this program to count toward the bachelor's degree. Students should note that programs differ in the minimum grade required.
- A minor is not required for this program.
- A grade of "C-" or better is required in all upper division courses listed as part of the major, whether or not they are AES prefixed courses, including electives. Students should note that programs differ in the minimum grade required. This requirement does not apply to General Studies classes.

General Studies Requirements: 33 credits

Students should consult the General Studies Requirements for a list of courses that fulfill the General Studies Requirements for degree completion.

- Written Communication (6 credits)
- Oral Communication (3 credits)
- Quantitative Literacy (3 credits)
- Arts and Humanities (6 credits)
- Historical (3 credits)
- Natural and Physical Sciences (6 credits)
- Social and Behavioral Sciences (6 credits)
- Global Diversity (0 or 3 credits**)

*** Students will fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; natural and physical sciences; or social and behavioral sciences.*

Multicultural Requirement: 0 or 3 credits

- Students should consult the Multicultural Graduation Requirements for a list of courses that fulfill the Multicultural Requirement for degree completion.
- Many programs include courses that meet this requirement. Students should consult with their advisor to determine what program courses may fulfill this requirement.

Aerospace Operations Concentration (ASC1): 62 credits

This concentration is designed for those seeking career opportunities in aviation or aerospace operations, systems integration, or logistical planning. This degree also supports careers that integrate commercial venues of aerospace with aviation.

Required Courses: 59 credits

- AES 1040 - Introduction to Unmanned Aircraft Systems **Credits: 3**
or
- AES 1050 - Introduction to Space **Credits: 3**
- AES 1100 - Aviation Fundamentals **Credits: 4**
- AES 1400 - Aviation Weather **Credits: 3**
- AES 1710 - Instrument Flight Simulation I **Credits: 3**
- AES 2050 - Aviation and Aerospace History and Development **Credits: 3**
- AES 2200 - Fundamentals of Air Traffic Control **Credits: 4**
- AES 2220 - Flight Dispatch and Load Planning **Credits: 3**
- AES 2607 - Introduction to Aerospace Systems Simulation **Credits: 3**
- AES 2630 - Spacecraft Mission Operations I **Credits: 3**
- AES 3600 - Space Flight Operations I **Credits: 3**
- AES 3850 - Human Factors and Physiology of Flight **Credits: 3**
- AES 3880 - Aviation Security **Credits: 3**
- AES 4200 - Airport Planning and Management I **Credits: 3**
- AES 4601 - Space Flight Operations II **Credits: 3**

- AES 4602 - Aerospace Commercialized Operations **Credits: 3**
or
- AES 4210 - Airport Planning and Management II **Credits: 3**
- AES 3620 - Aerospace Systems Project and Mission Scheduling **Credits: 3**
or
- AES 3630 - Spacecraft Mission Operations II **Credits: 3**
or
- AES 4603 - Aerospace Operations Systems Analysis and Design **Credits: 3**
- AES 4860 - Aviation Safety **Credits: 3**
or
- AES 4870 - Aviation Safety Program Management **Credits: 3**
- AES 4910 - Aviation and Aerospace Strategic Planning **Credits: 3**
- BUS 1950 - Business Communication **Credits: 3**
or
- JMP 2610 - Introduction to Technical Writing **Credits: 3**

ASC1 Senior Experience: 3 credits

- AES 4930 - Professional Flight Standards Seminar **Credits: 3**
or
- JMP 4790 - Senior Seminar **Credits: 3**

Professional Flight Officer Concentration (ASC2): 78 credits

Professional Flight Officer (ASC2): This concentration is designed for those planning a career as a professional pilot. A student choosing this concentration must have an FAA Commercial Pilot Certificate with an Instrument Rating, and ~~either the single-engine and multi-engine land rating, OR~~ FAA Flight Instructor Certificate (CFI) ~~or~~ OR the FAA Advanced Ground Instructor (AGI) and Instrument ~~Ground~~ Instructor Certificates (IGI) before graduation. (For ~~the Lighter-than-Air~~ **Lighter-than-Air** category, a student must have the Advanced Ground Instructor Certificate). Before enrolling in this concentration, ensure that you can obtain the appropriate FAA medical certificate. For a list of FAA medical examiners, see <http://www.faa.gov/pilots/amelocator/>.

Required Courses: 75 credits

- AES 1040 - Introduction to Unmanned Aircraft Systems **Credits: 3**
or
- AES 2050 - Aviation and Aerospace History and Development **Credits: 3**
- AES 1100 - Aviation Fundamentals **Credits: 4**
or FAA Private Pilot Certificate
- AES 1400 - Aviation Weather **Credits: 3**
- AES 1500 - Private Pilot Flight Lab **Credits: 2**
or FAA Private Pilot Certificate
- AES 1710 - Instrument Flight Simulation I **Credits: 3**
or FAA Private Pilot Certificate
- AES 2120 - Instrument Fundamentals **Credits: 4**

- or FAA Instrument Rating
- AES 2130 - Commercial Flight Operations **Credits: 3**
or FAA Commercial Certificate
- AES 2200 - Fundamentals of Air Traffic Control **Credits: 4**
- AES 2220 - Flight Dispatch and Load Planning **Credits: 3**
- AES 2500 - Instrument Pilot Flight Lab **Credits: 2**
or FAA Instrument Rating
- AES 2710 - Instrument Flight Simulation II **Credits: 3**
or FAA Instrument Rating
- AES 3000 - Aircraft Systems and Propulsion **Credits: 3**
- AES 3520 - Commercial Single-Engine Flight Lab **Credits: 2**
or FAA Commercial Certificate
- AES 3530 - Aerodynamics **Credits: 3**
- AES 3650 - Advanced Flight Technologies **Credits: 3**
- AES 3710 - Multi-Engine Flight Simulation I **Credits: 3**
or FAA Multi-Engine Rating
- AES 3850 - Human Factors and Physiology of Flight **Credits: 3**
- AES 3880 - Aviation Security **Credits: 3**
- AES 4040 - Aircraft Performance **Credits: 3**
- AES 4370 - Advanced Navigation Systems **Credits: 3**
- AES 4500 - Commercial Multi-Engine Flight Lab **Credits: 2**
or FAA Commercial Multi-Engine Rating
or
- AES 4510 - Flight Instructor Flight Lab **Credits: 2**
or FAA Flight Instructor Certificate
- AES 4540 - FAA Instructor Certification-Ground School **Credits: 3**
or FAA Flight Instructor Certificate
- AES 4710 - Turboprop Flight Simulation **Credits: 4**
or FAA Type Rating
or
- AES 4935 - Advanced Commercial Aircraft Systems **Credits: 4**
or FAA Airline Transport Pilot Certificate
- AES 4860 - Aviation Safety **Credits: 3**
- AES 4910 - Aviation and Aerospace Strategic Planning **Credits: 3**
- Required Professional Pilot Documentation

ASC2 Senior Experience: 3 credits

- AES 4930 - Professional Flight Standards Seminar **Credits: 3**

Air Traffic Collegiate Training Initiative (AT-CTI) Concentration (ASC3): ~~42~~ 69 credits

Air Traffic Collegiate Training Initiative (FAA AT-CTI) (ASC3): The Air Traffic Collegiate Training Initiative concentration (ASC3), also known as the AT-CTI program, has been designed through a partnership with the Federal Aviation Administration (FAA) in order to provide a foundation for students interested in becoming FAA air traffic control specialists. MSU Denver is one of only 36 higher education institutions across the country designated by the FAA as part of its Collegiate Training Initiative and is an FAA-approved AT-CTI program. Weather, airspace, teamwork in aviation, navigation, and search and rescue are among the fundamentals covered in this course of study.

Required Courses: ~~39~~ 66 credits (39 Required Course credits + 27 AES Elective credits)

- AES 1100 - Aviation Fundamentals **Credits: 4**
- AES 1400 - Aviation Weather **Credits: 3**
- AES 1710 - Instrument Flight Simulation I **Credits: 3**
- AES 2120 - Instrument Fundamentals **Credits: 4**
- AES 2130 - Commercial Flight Operations **Credits: 3**
- AES 2200 - Fundamentals of Air Traffic Control **Credits: 4**
- AES 2710 - Instrument Flight Simulation II **Credits: 3**
- AES 3880 - Aviation Security **Credits: 3**
- AES 4100 - Advanced Air Traffic Control **Credits: 3**
- AES 4370 - Advanced Navigation Systems **Credits: 3**
- AES 4860 - Aviation Safety **Credits: 3**
or
- AES 4870 - Aviation Safety Program Management **Credits: 3**
- AES 4910 - Aviation and Aerospace Strategic Planning **Credits: 3**

ASC3 Senior Experience: 3 credits

- AES 4210 - Airport Planning and Management II **Credits: 3 ***
or
- AES 4930 - Professional Flight Standards Seminar **Credits: 3**
or
- JMP 4790 - Senior Seminar **Credits: 3**

* Requires completion of AES 4200 Airport Planning and Management I

Summary of Requirements

Aerospace Operations Concentration (ASC1)	
General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Required Courses	59 credits
Senior Experience	3 credits
Unrestricted Electives	22-25 credits
Professional Flight Officer Concentration (ASC2)	
General Studies	33 credits
Multicultural Requirement	0-3 credits
Required Courses	75 credits
Senior Experience	3 credits

Unrestricted Electives	6-9 credits
Air Traffic Collegiate Training Initiative (AT-CTI) Concentration (ASC3)	
General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Required Courses	66 credits
AES Electives	24 27 credits
Senior Experience	3 credits
Unrestricted Electives	18-21 credits
Total for the Aviation and Aerospace Science Major, B.S.	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

Department of Computer Sciences

Computer Science Major, B.S.

[Department of Computer Sciences](#)

Available Program Format(s): [In-Person](#)

[College of Health and Applied Sciences](#)

About the Program

The Department of ~~Mathematical and~~ Computer Sciences offers coursework leading to the Bachelor of Science (B.S.) degree in Computer Science. The Computer Science major provides students with broad-based preparation in Computer Science with the appropriate supporting Mathematics background. Graduates in Computer Science are positioned for employment in a wide variety of jobs in the computing field. The CS major also prepares students for continued study of Computer Science at the graduate level. Students are encouraged to contact the department for further details (303-615-0399). The Computer Science BS degree program is accredited by the Computing Accreditation Commission of ABET, <http://abet.org>.

Student Outcomes

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practices based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

General Degree Requirements

To earn a degree, students must satisfy all requirements in each of the four areas below, in addition to their individual major requirements.

- [Degree and Certificate Requirements](#)
- [General Studies Requirements](#)
- [Multicultural Graduation Requirements](#)
- [Senior Experience Graduation Requirements](#)

Program Requirements

- A total of 120 semester hours are required for graduation.
- A grade of "C-" or better is required in all CS courses included in the major, all ancillary courses, all required mathematics courses, and all science courses for the science requirement. Students should note that programs differ in the minimum grade required.
- A minor is not required for this program.

General Studies Requirements: 33 credits

Students should consult the General Studies Requirements for a list of courses that fulfill the General Studies Requirements for degree completion. Some of the science, mathematics, and ancillary courses required for the CS major may partially or fully satisfy specific General Studies requirements.

- Written Communication (6 credits)
- Oral Communication (3 credits)
- Quantitative Literacy (3 credits)
- Arts and Humanities (6 credits)
- Historical (3 credits)
- Natural and Physical Sciences (6 credits)
- Social and Behavioral Sciences (6 credits)
- Global Diversity (0 or 3 credits**)

***Students will fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; natural and physical sciences; or social and behavioral sciences.*

Multicultural Requirement: 0 or 3 credits

- Students should consult the Multicultural Graduation Requirements for a list of courses that fulfill the Multicultural Requirement for degree completion.
- Many programs include courses that meet this requirement. Students should consult with their advisor to determine what program courses may fulfill this requirement.

Required Mathematics Courses: 12 credits

- MTH 1410 - Calculus I **Credits: 4**
- MTH 3130 - Applied Methods in Linear Algebra **Credits: 4**
- MTH 3210 - Probability and Statistics **Credits: 4**

(MTH 3140 may be substituted for MTH 3130.)

Science Requirement: 6 credits

A total of at least 6 credits of the following departmentally approved science courses.

Must include one of the following science sequences. Additional science course(s) may be chosen from the courses listed below, or ENV 1200.

- BIO 1080 - General Biology I **Credits: 3**
- BIO 1090 - General Biology Laboratory I **Credits: 1**
or
- BIO 1081 - General Biology II **Credits: 3**
- BIO 1091 - General Biology Laboratory II **Credits: 1**
or
- CHE 1800 - General Chemistry I **Credits: 4**
- CHE 1801 - General Chemistry I Laboratory **Credits: 1**
or
- CHE 1810 - General Chemistry II **Credits: 4**
- CHE 1811 - General Chemistry II Laboratory **Credits: 1**
or
- GEL 1010 - Physical Geology **Credits: 4**
or
- MTR 1400 - Weather and Climate **Credits: 3**
- MTR 2020 - Weather and Climate Lab for Scientists **Credits: 1**
or
- PHY 2311 - General Physics I **Credits: 4**
- PHY 2321 - General Physics I Laboratory **Credits: 1**
or
- PHY 2331 - General Physics II **Credits: 4**
- PHY 2341 - General Physics II Laboratory **Credits: 1**

Required Ancillary Courses: 9 credits

Professional Presentation Requirement: 3 credits

- COMM 1010 - Presentational Speaking **Credits: 3**
or
- COMM 1100 - Fundamentals of Oral Communication **Credits: 3**

Technical Writing Requirement: 3 credits

- JMP 2610 - Introduction to Technical Writing **Credits: 3**

Computer Science Ethics Requirement: 3 credits

- PHI 3370 - Computers, Ethics, and Society **Credits: 3**

Required Computer Science Courses: 58 credits

Major Core Courses: 42 credits

- CS 1030 - Computer Science Principles **Credits: 4**
- CS 1050 - Computer Science 1 **Credits: 4**
- CS 1400 - Computer Organization 1 **Credits: 4**
- CS 2050 - Computer Science 2 **Credits: 4**
- CS 2240 - Discrete Structures for Computer Science **Credits: 4**
- CS 2400 - Computer Organization 2 **Credits: 4**
- CS 3210 - Principles of Programming Languages **Credits: 4**
- CS 3240 - Introduction to the Theory of Computation **Credits: 2**
- CS 3250 - Software Development Methods and Tools **Credits: 4**
- CS 3600 - Operating Systems **Credits: 4**
- CS 4050 - Algorithms and Algorithm Analysis **Credits: 4**

Upper Division Electives: 12 credits

A minimum of 12 additional semester hours selected from upper-division CS courses and MTH 4480.

Senior Experience: 4 credits

- CS 4260 - Software Engineering Practices **Credits: 4**
or
- CS 4360 - Senior Experience in Computer Science **Credits: 4**

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Required Mathematics Courses	12 credits
Science Requirement	6 credits
Professional Presentation Requirement	3 credits
Technical Writing Requirement	3 credits
Computer Science Ethics Requirement	3 credits
Required Major Core Courses	42 credits
Major Upper Division Electives	12 credits
Senior Experience	4 credits
Unrestricted Electives	0-14 credits
Total for the Computer Science Major, B.S.	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

Note

As an alternative to the B.S. degree program, the Department of Computer Sciences works with the Center for Individualized Learning to provide students with programs customized to their educational needs.

Department of Criminal Justice and Criminology

Cybersecurity Major, B.S.

[Department of Criminal Justice and Criminology](#)

Available Program Format(s): [In-Person](#)

[College of Health and Applied Sciences](#)

About the Program

The Bachelor of Sciences in Cybersecurity (CYB) is an interdisciplinary major jointly offered by the Departments of Criminal Justice and Criminology, Computer Information Systems and Business Analytics, and ~~Mathematical and~~ Computer Sciences. The B.S. in Cybersecurity is housed in and administered by the Department of Criminal Justice and Criminology. The B.S. in Cybersecurity prepares students with the knowledge and skills necessary to investigate computer crime, properly seize and recover computer evidence, and prevent cybercrimes as well as prosecute and punish cyber criminals.

Student Outcomes

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member, or leader, of a team engaged in activities appropriate to the program's discipline.
6. Apply security principles and practices to maintain operations in the presence of risks and threats.

General Degree Requirements

To earn a degree, students must satisfy all requirements in each of the four areas below, in addition to their individual major requirements.

- [Degree and Certificate Requirements](#)
- [General Studies Requirements](#)
- [Multicultural Graduation Requirements](#)
- [Senior Experience Graduation Requirements](#)

Program Requirements

- A total of 120 semester hours are required for graduation.
- A grade of "C" or better is required for each course in this program to count toward the bachelor's degree. Students should note that programs differ in the minimum grade required.
- A minor is not required for this program

General Studies Requirements: 33 credits

Students should consult the General Studies Requirements for a list of courses that fulfill the General Studies Requirements for degree completion.

- Written Communication (6 credits)
- Oral Communication (3 credits)
- Quantitative Literacy (3 credits)
- Arts and Humanities (6 credits)
- Historical (3 credits)
- Natural and Physical Sciences (6 credits)
- Social and Behavioral Sciences (6 credits)
 - **Recommended:** CJC 1010 - Introduction to the Criminal Justice System
- Global Diversity (0 or 3 credits**)

*** Students will fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; natural and physical sciences; or social and behavioral sciences.*

Multicultural Requirement: 0 or 3 credits

- Students should consult the Multicultural Graduation Requirements for a list of courses that fulfill the Multicultural Requirement for degree completion.
- Many programs include courses that meet this requirement. Students should consult with their advisor to determine what program courses may fulfill this requirement.

Cybersecurity Major Coursework Requirements: 54 credits

CYB Required Courses: 9 credits

- CYB 2001 - Cyber Laws and Regulations **Credits: 3**
- CYB 2500 - Criminal Investigation **Credits: 3**
- CYB Elective (Choose from any CYB Elective) **Credits: 3**

CJC Required Courses: 9 credits

- CJC 3210 - White-Collar Crime **Credits: 3**
- CJC 3420 - Organized Crime **Credits: 3**
- CJC 3800 - Federal Law Enforcement **Credits: 3**

CIS Required Courses: 18 credits

- CIS 2010 - Foundations of Information Systems **Credits: 3**
- CIS 2110 - Structured Problem Solving in Information Systems **Credits: 3**
- CIS 3230 - Telecommunication Systems and Networking **Credits: 3**
- CIS 3500 - Information Systems Security **Credits: 3**
- CIS 4500 - Information Systems Security Tools and Techniques **Credits: 3**
- CIS 4550 - Information Systems Security Management and Information Assurance **Credits: 3**

CS Required Courses: 18 credits

- CSS 2751 - Principles of Cybersecurity **Credits: 3**
- CSS 2752 - Information Assurance **Credits: 3**
- CSS 2753 - Network Security **Credits: 3**
- CSS 2754 - Host Security **Credits: 3**
- CSS 3751 - Application Security **Credits: 3**
- CSS 3752 - Computer Forensics **Credits: 3**

Senior Experience: 3 credits

- CYB 4990 - Capstone Seminar in Cybersecurity **Credits: 3**

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Major Requirements	54 credits
Senior Experience	3 credits
Unrestricted Electives	27-33 credits
Total for the Cybersecurity Major, B.S.	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

Department of Engineering and Engineering Technology

The "art" of applied science - using science to create real world solutions.

The Department of Engineering and Engineering Technology (EAET) offers Bachelor of Science degrees in engineering and engineering technology, and Bachelor of Art degree in Construction Project Management.

Engineering is the creative application of science, mathematical methods, and empirical evidence for the benefit of humankind. Engineering technology is even more "applied" and less theoretical than engineering, though in a broad sense both have a focus on practical application.

Engineering programs focus on theory and conceptual design, while engineering technology programs usually focus on application and implementation. Engineering programs require additional, higher-level mathematics, including multiple semesters of calculus and calculus-based theoretical science courses, while engineering technology programs focus on algebra, trigonometry, applied calculus, and other courses that are more practical than theoretical in nature.

All Engineering and Engineering Technology programs provide students with a Bachelor of Science degree in corresponding disciplines. Internship and Co-op programs enable the student to combine on-the-job work experience with classroom studies. MSU Denver students graduate with an extensive engineering and engineering technology education enabling them to be valuable contributors in many industries both established and emerging. Many EAET graduates also

pursue their graduate studies in various universities. Engineering and engineering technology programs at MSU Denver offer day and evening courses to accommodate working students' schedules.

Currently EAET offers three engineering programs, three engineering technology programs, and a construction project management program.

Under the revised rules and regulations of the Colorado State Board for Registration for Architects, Professional Engineers and Professional Land Surveyors, MSU Denver Engineering Technology students within 30 semester hours of graduation with a Bachelor of Science degree may take the Fundamentals of Engineering (FE) Examination. The FE is the first step of becoming a licensed Professional Engineer (PE) in the State of Colorado.

All three Engineering Technology Bachelor of Science major programs are accredited by The Technology Accreditation Commission (TAC) of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202, Telephone (410) 347-7700, abet.org.

The Bureau of Labor Statistics (1998) wrote the following about the difference: *"In addition to the standard engineering degree, many colleges offer degrees in engineering technology, which are offered as either 2- or 4-year programs. These programs prepare students for practical design and production work rather than for jobs that require more theoretical, scientific and mathematical knowledge. Graduates of 4-year technology programs may get jobs similar to those obtained by graduates with a bachelor's degree in engineering. Some employers regard them as having skills between those of a technician and an engineer."* *"Many 4-year colleges offer bachelor's degrees in engineering technology, but graduates of these programs are often hired to work as technologists or applied engineers, **not technicians.**"*

Engineering Programs Offered

Computer Engineering (CPE)

<https://www.msudenver.edu/engineering-engineering-technology/computer-engineering-major-bs/>

The Bachelor of Science in Computer Engineering is a discipline with historical foundations in computer science and electrical engineering. This major is an ideal match for students who are interested in computer hardware, integrating hardware and software, or developing software tools. Students will design and manufacture computer hardware, design and operate networks and communication systems, or design and program embedded systems found in airplane, security system, automobile, robot, appliances, phone and other smart devices, etc.

The U.S. Bureau of Labor Statistics reports that computer engineering is the fastest growing engineering discipline. Students majored in CPE are in high demand for employment after graduation. They have the option of working as hardware or software engineers, or combination of the two. And they work in almost every industry -- from health care and gaming to banking and online shopping. Typical industries hiring computer engineers include financial services, chemical companies, defense contractors, consulting, transportation, manufacturing, government, and consumer goods. Computer engineering undergraduates are also positioned to pursue graduate programs in computer science or electrical engineering or computer engineering.

Major:

- [Computer Engineering Major, B.S.](#)

Environmental Engineering (EVE)

<https://www.msudenver.edu/engineering-engineering-technology/environmental-engineering-major-bs/>

The Environmental Engineering program at Metropolitan State University of Denver is an interdisciplinary degree between engineering and earth and atmospheric sciences offering a customized degree tailored to the students' interest and flexible to an ever-changing job market. Students may choose to take electives in either department so they can gain practical experiences in a wide range of disciplines including civil engineering, geospatial sciences, meteorology and climate change, physical geography, geology, water resources, and/or sustainable systems. The EVE program integrates with other MSU Denver programs, centers such as Earth and Atmospheric Sciences, Political Science, Business Management, Communication Arts and Sciences, One World One Water (OWOW) etc.

The goal of the program is to prepare graduates for the future to identify, analyze, formulate, and design solutions to Civil/Environmental Engineering problems, both independently and in a team environment, apply considerations of technical, legal, regulatory, social, environmental, and economic factors towards managing multi-faceted and multi-disciplinary projects, communicate effectively in both technical and non-technical settings with co-workers, professional clients, and the public and demonstrate commitment and progress in lifelong learning, professional development, and leadership, including participation in continuing education courses, workshops, and/or graduate study, and the pursuit of licensure as a Professional Engineer.

Major:

- [Environmental Engineering Major, B.S.](#)

Sustainable Systems Engineering (SSE)

<https://www.msudenver.edu/engineering-engineering-technology/sustainable-systems-engineering-major-bs/>

Sustainable Systems Engineering program focuses on the interactions of society, engineering and ecological systems. Specifically, the program studies the relationship of engineering to economic development, environmental impact, social structure, and the sustainability of natural resources. The program examines how social, political, and engineering activities influence human well-being as a whole complex system and provides students with knowledge and methods to analyze and solve sustainable development problems. The educational approach of the SSE program incorporates theory and hands-on learning to reinforce theoretical concepts. The engineering core component will provide solid training on the majority subjects required by Fundamental Engineering (FE) exam.

Major:

- [Sustainable Systems Engineering Major, B.S.](#)

Engineering Technology Programs Offered

Civil Engineering Technology (CET)

<https://www.msudenver.edu/engineering-engineering-technology/civil-engineering-major-bs/>

The program prepares students for a career in civil engineering technology and related areas. Graduates of the CET program are employed in all levels of government, design and construction firms, manufacturing, sales and testing companies. The typical job description for CET graduates includes: planning, designing and constructing structures such as buildings, bridges, airports, highways, railroads, reservoirs, dams, and water and sewerage systems.

Major:

- [Civil Engineering Technology Major, B.S.](#)

A concentration is required. Choose from either of the following:

1. Construction Concentration
2. Structures Concentration

Minor:

- [Architecture Minor](#)

Electrical Engineering Technology (EET)

<https://www.msudenver.edu/engineering-engineering-technology/electrical-engineering-technology-major-bs/>

The Electrical Engineering Technology curriculum provides a foundation of knowledge in technology by merging the analytic skills of the engineer with the practical skills of the technician. The combination of theory and application

prepares graduates for a transition to rewarding employment in a variety of industries, including, but not limited to: manufacturing, technical services, computers, government and public utilities. Concentrations in computer engineering technology, communications, and power & control systems are offered in addition to the core curriculum. With departmental approval, students may also pursue a variety of options; for instance, a minor in biology would make for a good match for someone seeking employment in Bio-Med.

Major:

- [Electrical Engineering Technology Major, B.S.](#)

A concentration or an external minor¹ is required. Choose from any of the following:

1. Computer Engineering Technology Concentration
2. Communications Concentration
3. Power and Controls Concentration

Certificate:

- [Electrical Engineering Technology Certificate](#)

Minor:

- [Electrical Engineering Technology Minor](#)

Note:

¹*In select cases, with prior approval of an EET advisor, a minor in another area may be substituted for a concentration.*

Mechanical Engineering Technology (MET)

<https://www.msudenver.edu/engineering-engineering-technology/mechanical-engineering-technology-major-bs/>

The Mechanical Engineering Technology program emphasizes both theoretical and practical applications, providing MSU Denver students with a solid foundation in engineering fundamentals, as well as hands-on laboratory work. This emphasis allows students to experience the integration of engineering theory and practice, which is an enhancement to traditional scientific educations. The MET program offers state-of-the-art, computer-aided, engineering technology courses to keep students current with industry standards. MET graduates have a strong interest in mechanical devices and the desire to apply mathematics and computer science to engineering analysis and design. In addition to the core curriculum, concentrations in manufacturing and mechanical are offered.

Major:

- [Mechanical Engineering Technology Major, B.S.](#)

A concentration is required. Choose from either of the following:

1. Manufacturing Concentration
2. Mechanical Concentration

Certificate:

- [Advanced Composite Materials and Manufacturing Certificate](#)
- [Additive Manufacturing Engineering Certificate](#)
- [Engineering Manufacturing Certificate](#)

Minor:

- [Mechanical Engineering Technology Minor](#)

Other Programs

Construction Project Management (CPM)

<https://www.msudenver.edu/engineering-engineering-technology/construction-project-management-major-ba/>

Construction Project Management is an interdisciplinary major created to support a workforce initiative for the fast growing industry of construction. This major offers core classes along with a concentration in Computer Information Systems or Management. The students are also required to earn a minor, with the following disciplines recommended: Architecture, Industrial Design, Mechanical Engineering Technology, Computer Science, Environmental Studies, Leadership Studies or Spanish. If you have journeyman credentials, you will be awarded 30 lower-division credit hours which can be used in lieu of a minor.

Major:

- [Construction Project Management Major, B.A.](#)

A concentration and an external minor¹ are required. Choose from either of the following:

1. Computer Information Systems
2. Management

¹*Recommended minors include: Architecture, Industrial Design, Mechanical Engineering Technology, Computer Science, Environmental Studies. Students are encouraged to consult with their advisor about minor selection.*

Contact Information

Metropolitan State University of Denver

Department of Engineering and Engineering Technology

Campus Box 29
PO Box 173362
Denver, CO 80217-3362

<https://www.msudenver.edu/eaet>

Phone: 303-615-0499

Department of Nutrition

New Program

Nutrition Studies Major, B.S.

[Department of Nutrition](#)

[College of Health and Applied Sciences](#)

Available Program Format(s): [In-Person](#)

About the Program

The Nutrition Studies baccalaureate degree is a degree option for students wishing to study of the science of nutrition without pursuing the registered dietitian nutritionist (RDN) credentials.

This B.S. degree is intended for students who are interested in the scientific foundation of nutrition principles. The program is comprised of a 50 credit Nutrition core, which provides students with the nutrition knowledge necessary to be nutrition professionals, including nutrition biochemistry and metabolism, food safety, nutrition education and counseling and nutrition research and evaluation, among others. Students have the flexibility to choose electives and a minor to prepare for further areas of study in health or related fields to enhance their studies, such as exercise science, public health, or entrepreneurship while receiving a strong background in nutrition. Graduates from the Nutrition Studies B.S. Program will have many career options, such as working in the Supplemental Nutrition Program for Women, Infants and

Children (WIC), Food Stamp Nutrition Education (FSNE), corporate wellness, nutrition corporate food industries or nutrition-related entrepreneurial ventures, among others. This is a major for those who are not pursuing dietetic registration. A grade of C- or better is required in all major courses.

Student Outcomes

1. Integrate scientific information and translate research into practice.
2. Demonstrate attitudes, values and behaviors aligned with nutrition practice.
3. Critique and effectively communicate nutrition information to a wide range of audiences.
4. Demonstrate an understanding of the functions and interrelationships of nutrients and food in human health, disease prevention, and disease states.
5. Integrate the biological, behavioral, socioeconomic and environmental factors related to food and nutrient intakes and needs across populations and life stages.

General Degree Requirements

To earn a degree, students must satisfy all requirements in each of the four areas below, in addition to their individual major requirements.

- [Degree and Certificate Requirements](#)
- [General Studies Requirements](#)
- [Multicultural Graduation Requirements](#)
- [Senior Experience Graduation Requirements](#)

Program Requirements

- A total of 120 semester hours are required for graduation.
- A grade of C- or better is required for each course in this program to count toward the bachelor's degree. Students should note that programs differ in the minimum grade required.
- A minor is required for this program.

General Studies Requirements: 33 credits

Students should consult the General Studies Requirements for a list of courses that fulfill the General Studies Requirements for degree completion.

- Written Communication (6 credits)
- Oral Communication (3 credits)
- Quantitative Literacy (3 credits)
- Arts and Humanities (6 credits)
- Historical (3 credits)
- Natural and Physical Sciences (6 credits)
 - **Recommended:** BIO 1080 - General Biology I, BIO 1090 - General Biology Laboratory I, CHE 1100 - Principles of Chemistry, CHE 1150 - Principles of Chemistry Laboratory which are all required in the major.
- Social and Behavioral Sciences (6 credits)
- Global Diversity (0 or 3 credits**)

*** Students will fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; natural and physical sciences; or social and behavioral sciences.*

Multicultural Requirement: 0 or 3 credits

Students should consult the Multicultural Graduation Requirements for a list of courses that fulfill the Multicultural Requirement for degree completion.

- **Recommended:** It is recommended that students fulfill this requirement by taking NUT 3300 - Cultural Aspects of Nutrition, which is a required course in the major and a course that meets the Multicultural Requirement.

Required Courses: 47 credits

- BIO 1080 – General Biology I Credits: 3
- BIO 1090 General Biology Laboratory I Credits: 1
- BIO 2310 - Human Anatomy and Physiology I **Credits: 4**
- BIO 2320 - Human Anatomy and Physiology II **Credits: 4**
- CHE 1100 – Principles of Chemistry **Credits: 4**
- CHE 1150 - Principles of Chemistry Laboratory **Credits: 1**
- CHE 2100 Introduction to Organic and Biological Chemistry **Credits: 4**
- CHE 2150 Introduction to Organic and Biological Chemistry Laboratory **Credits: 1**
- NUT 1800 Careers in Nutrition and Dietetics **Credits: 1**
- NUT 2040 Introduction to Nutrition **Credits: 3**
- NUT 3040 Nutrition Concepts and Controversies **Credits: 3**
- NUT 3050 Concepts of Lifecycle Nutrition **Credits: 3**
- NUT 3150 Advanced Nutrition – Macronutrients **Credits: 3**
- NUT 3160 Advanced Nutrition – Micronutrients **Credits: 3**
- NUT 3300 Cultural Aspects of Nutrition **Credits: 3**
- NUT 3500 Food Safety **Credits: 3**
- NUT 3700 Nutrition Education and Counseling **Credits: 3**
- NUT 3850 Nutrition and Chronic Disease **Credits: 3**
- NUT 4000 Nutrition and Public Health **Credits: 3**
- NUT 4040 Nutrition Research Design and Evaluation **Credits: 3**

Major Electives: 6 credits

Select 6 credits from the following list

- HCM 3150 Health Care Organization and Management **Credits: 3**
- NUT 3000 Nutrition: Past and Present **Credits: 3**
- NUT 3101 Body Image: Concepts and Approaches **Credits: 3**
- NUT 3200 Nutrition and Sports Performance **Credits: 3**
- NUT 3350 Global Nutrition and Health **Credits: 3**
- NUT 3400 Nutrition and Weight Management **Credits: 3**
- NUT 3810 Nutrition and Social Media **Credits: 3**
- NUT 3820 Plant Based Nutrition **Credits: 1**
- NUT 4300 Management in Dietetics **Credits: 3**
- NUT 4800 Medical Nutrition Therapy **Credits: 4**
- RST 1200 Basic Cooking Skills **Credits: 3**

Senior Experience: 3 credits

- NUT 4720 Nutrition Capstone **Credits: 3**

Summary of Requirements

General Studies Requirement	33 credits
Multicultural Requirement	0-3 credits
Major Requirement	56 credits
Major Electives	6 credits
Senior Experience	3 credits
Unrestricted Electives	19-31 credits
Total for the Nutrition Studies Major, B.S.	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

New Program

Pathway 2 Lactation Consultant Training Certificate

The Pathway 2 Lactation Consultant Training Certificate Program is an undergraduate certificate for students who wish to receive the necessary education and skills to be an International Board Certified Lactation Consultant (IBCLC). Students need to complete the required pre-reqs prior to applying for the certificate program.

The minimum passing grade for all courses included in this certificate is an earned grade of "C".

Pre-requisites

Courses required as pre-requisites for entry into the lactation consultant training program undergraduate certificate (alternate courses may be considered)

- BIO 1080 General Biology I **Credits: 3**
- BIO 2310 Human Anatomy and Physiology II **Credits: 4**
- BIO 2320 Human Anatomy and Physiology II **Credits: 4**
- ITP 1700 Medical Terminology **Credits: 2**
- NUT 2040 Introduction to Nutrition **Credits: 3**
- NUT 3300 Cultural Aspects of Nutrition **Credits: 3**
- NUT 3700 Nutrition Education and Counseling **Credits: 3**
- NUT 4040 Nutrition Research Design and Evaluation **Credits: 3**
- NUT 4200 Lifecycle Nutrition **Credits: 3**

Required Courses: 18 credits

- NUT 4950 Lactation Management **Credits: 3**
- NUT 4970 Clinical Skills for Breastfeeding Support **Credits: 3**
- NUT 4990 Clinical Lactation Practicum **Credits: 1-8 (must complete 12 credits)**

Total: 18 credits

New Program

Pathway 2 Lactation Consultant Training Graduate Certificate

The Lactation Consultant Training Program-Graduate Certificate is for students who wish to receive the necessary education and skills to be an International Board Certified Lactation Consultant (IBCLC). The graduate certificate program consists of NUT 5950-3 credits, NUT 5970-3 credits, and NUT 5990-12 credits. Students need to complete the required pre-requisite courses prior to applying for the certificate program. These courses are not considered as part of the credits for the certificate itself and will be evaluated as pre-requisites for acceptance into the graduate certificate program.

The goal of this certificate is to prepare competent entry-level lactation consultants in the cognitive (knowledge), psychomotor (skills) and affective (behavior) learning domains.

Application Deadlines- Students will be admitted into the certificate program using a rolling application deadline. All applications will be accepted and reviewed by the Nutrition Department at MSU Denver.

- Application fee- \$50 to MSU Denver.
- Graduate application- All students must complete an application to the university and to MSU Denver Nutrition Department Lactation Certificate Program.
- Minimum Degree Requirements- Program acceptance requires students to have a Bachelor's Degree from a regionally accredited university.
- Minimum GPA- Minimum of 3.0.
- Entrance Exam Required with Recommended Scores- none
- Official Transcripts – Students must submit official transcripts from each college or university they have attended. Official transcripts must be mailed or sent directly from the previous colleges/universities in a signed sealed envelope. Institutions may also send official electronic transcripts to gradtranscripts@msudenver.edu.
- No writing sample required for application

At least one letter of recommendation or contact information from someone who would recommend the applicant is required.

Currently this program is not approved to accept international students

- Prerequisite Courses-

In each of the following 8 subjects, applicants must complete a minimum of one course. Applicants must demonstrate a passing grade in each of the courses and the courses must be a minimum of one academic credit session (e.g. semester, trimester, quarter, etc.) in length and provided by an accredited institution of higher learning

- Biology
- Human Anatomy
- Human Physiology
- Infant and Child Growth and Development
- Introduction to Clinical Research
- Nutrition
- Psychology or Counselling Skills or Communication Skills

- Sociology or Cultural Sensitivity or Cultural Anthropology

For the remaining 6 subjects, applicants may complete courses offered by an institution of higher learning or they may complete continuing education courses.

- Basic Life Support
- Medical Documentation
- Medical Terminology
- Occupational Safety and Security for Health Professionals
- Professional Ethics for Health Professionals
- Universal Safety Precautions and Infection Control
- Transfer Students- All prerequisite coursework may be transferred into MSU Denver. The graduate certificate program will also accept transfer of coursework equivalent to NUT 5950.
- Non-Degree Seeking Students- The number of courses a student may take as a non-degree seeking student cannot exceed one-third (1/3) of the total credit requirement for the certificate.

Students may be admitted to any of the graduate degree programs with a non-degree-seeking status. Non-degree-seeking students do not qualify for financial aid and must re-apply and pay a new application fee in order to become degree seeking. Completing coursework as a non-degree-seeking student does not guarantee admission into a degree program. These credits will count toward transfer credits if the student is admitted as a degree-seeking student.

- Readmission- Readmission to the program will be determined by reapplication to the certificate program.
- Financial Aid- Financial Aid may be available for graduate students. Visit <https://msudenver.edu/financialaid/graduate/> for information.
- Minimum overall GPA requirements- 3.0.
- Maximum course load-Students may enroll in no more than 15 credits per semester for fall and spring semesters without department approval. The maximum load for a two-week Winterim or Maymester term is 3 semester hours, excluding short-term study abroad courses.
- Clinical Lactation Internship requirements: After the completion of NUT 5950 and NUT 5970, each student will complete 500 clinical lactation internship hours. These internship hours will be under the direct supervision of an International Board Certified Lactation Consultant (IBCLC). Students will register for NUT 5990 during the semesters they plan to complete their clinical lactation internship. Each 1 credit of NUT 5990 will result in 42.5 hours of clinical lactation internship placement at a hospital, community health center, or outpatient lactation practice under the supervision of an IBCLC. MSU Denver's Lactation Program will secure all clinical placements for students at partner organizations. Students are required to pass a drug screening and background check along with completing PreCheck and My Clinical Exchange before receiving lactation internship placement.
- Duplicative Coursework- No course may count toward both a master's degree and a bachelor's degree.
- Timeline for completion of degree- Students must complete the certificate within five calendar years from the term they initially enroll.

- Program Specific Requirements
 - Advancement to Candidacy- Students must complete all coursework and the clinical lactation internship in 5 years. The minimum passing grade for all courses included in this certificate is an earned grade of "C".

Required Courses: 18 credits

- NUT 5950 Lactation Management **Credits: 3**
- NUT 5970 Clinical Skills for Breastfeeding Support **Credits: 3**
- NUT 5990 Lactation Supervised Practice **Credits: 1-12** (must complete 12 credits)

Pre-requisites: 30 credits

Courses required as pre-requisites for entry into the lactation consultant training program graduate certificate (alternate courses may be considered)

- BIO 2310 Human Anatomy and Physiology I **Credits: 4**
- BIO 2320 Human Anatomy and Physiology II **Credits: 4**
- BIO 1080 General Biology I **Credits: 3**
- ITP 1700 Medical Terminology **Credits: 3**
- NUT 3300 Cultural Aspects of Nutrition **Credits: 3**
- NUT 4800 Medical Nutrition Therapy **Credits: 4**
- NUT 2040 Introduction to Nutrition **Credits: 3**
- NUT 3700 Nutrition Education and Counseling **Credits: 3**
- NUT 4040 Nutrition Research Design and Evaluation **Credits: 3**

Total: 18 credits

Department of Human Services and Counseling

Program Modification

Human Services Major, B.S.

[Department of Human Services and Counseling](#)

[College of Health and Applied Sciences](#)

Available Program Format(s): [In-Person](#)

About the Program

Human Services refers to the art and science of helping people. At MSU Denver, students get just the right mix of hands-on experience and challenging study to become consummate and compassionate professionals. Within the Human Services major, you can choose between six study concentrations: Addiction Studies, High Risk Youth Studies, Mental Health Counseling, Nonprofit Studies, Trauma Studies and Paramedic (transfer in credit only). Most concentrations in our major are accredited through the National Council for Standards in Human Service Education. The Department of Human Services and Counseling at Metropolitan State University of Denver prepares students to become competent, self-reflective practitioners in the delivery of human services. At the core of the curriculum is an emphasis on experiential learning in the classroom and through intensive field experience and study abroad opportunities. In addition, the department offers an "Early Entry to the Master of Science in Clinical Behavioral Health, Emphasis in Addictions Counseling Pathway" for students who wish to begin their masters program while completing their undergraduate

requirements. The department is committed to supporting students to develop high ethical standards and cultural sensitivity while becoming agents for positive change in people's lives and in their communities.

Student Outcomes

- Students will **evaluate** the scope of conditions that impact all levels of human systems: individual, family, group, community, and society.
- Students will **explore** the mission and services of local organizations and their role and community impact
- Students will **examine** their own culture and values as well as those of communities other than their own and the implications for working with diverse communities.
- Students will **acquire** skills necessary to facilitate change at an individual, family, group, and/or programmatic level.
- Students will **demonstrate** professional behavior and ethical decision-making skills in the context of the human services/nonprofit sector.
- Students will **develop** clear professional writing and effective verbal and interpersonal communication skills.
- Students will **apply** knowledge and skills related to effective direct service delivery and appropriate interventions in their concentration area.

General Degree Requirements

To earn a degree, students must satisfy all requirements in each of the four areas below, in addition to their individual major requirements.

- [Degree and Certificate Requirements](#)
- [General Studies Requirements](#)
- [Multicultural Graduation Requirements](#)
- [Senior Experience Graduation Requirements](#)

Program Requirements

- A total of 120 semester hours are required for graduation.
- A grade of "C" or better is required for each course in this program to count toward the bachelor's degree. Students should note that programs differ in the minimum grade required.
- For students in the "Early Entry Master of Science Pathway" A grade of "B-" or better is required in any graduate Human Services and Counseling course to be applied towards their undergraduate and graduate degree requirements.
- A minor is not required for this program.
- Students participate in field experience as part of this major, contributing to professional experience, skill development, networking, and resume-building.

General Studies Requirements: 33 credits

Students should consult the General Studies Requirements for a list of courses that fulfill the General Studies Requirements for degree completion.

Written Communication (6 credits)

Oral Communication (3 credits)

Quantitative Literacy (3 credits)

Recommended: MTH 1210 - Introduction to Statistics, is recommended for students interested in pursuing a master's degree.

Arts and Humanities (6 credits)

Historical (3 credits)

Natural and Physical Sciences (6 credits)

Recommended: NUT 2040 - Introduction to Nutrition is recommended

Social and Behavioral Sciences (6 credits)

Recommended: HSP 1010 - Introduction to Human Services can count towards both the major and the General Studies requirements.

Recommended: HSP 1020 - Introduction to Trauma Informed Care, can count towards both the major and the General Studies requirements.

Global Diversity (0 or 3 credits**)

*** Students will fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; natural and physical sciences; or social and behavioral sciences.*

Multicultural Requirement: 0 or 3 credits

Students should consult the Multicultural Graduation Requirements for a list of courses that fulfill the Multicultural Requirement for degree completion.

Many programs include courses that meet this requirement. Students should consult with their advisor to determine what program courses may fulfill this requirement.

Recommended: HSP 3490 - Multicultural Issues in Human Services

Major Required Courses: 23 credits

HSP 1010 - Introduction to Human Services **Credits:** 3

HSP 1020 - Introduction to Trauma Informed Care **Credits:** 3

HSP 2010 - Introduction to High-Impact Nonprofit Organizations **Credits:** 3

HSP 2070 - Pre-Field Placement Seminar **Credits:** 1

HSP 3330 - Ethical and Legal Issues in Human Services **Credits:** 3

HSP 3490 - Multicultural Issues in Human Services **Credits:** 4

HSP 3560 - Motivational Interviewing **Credits:** 2

HSP 3710 - Research Methods and Program Evaluation in Human Services **Credits:** 4

Senior Experience: 8 credits

All students will complete the following course for their Senior Experience requirement.

Addiction Studies Concentration: 53 credits

This concentration will provide students with broad knowledge and skills that are in all behavioral health services. Upon completion of the program, students are eligible to apply for certification in Colorado as an addiction counselor (CAC I). The counseling skills, training and knowledge that students receive are on the cutting edge of evidence-based outcome studies and best practices. Graduates attain skills and attitudes necessary to function as professional addiction counselors and that may lead to national certification. These are the required courses to fulfill OBHs educational requirements for CAC I-III.

HSP 2020 - Small Group Dynamics: Theory and Experience **Credits: 4**

HSP 2030 - Theory and Practice of Counseling **Credits: 4**

HSP 2040 - Family Systems **Credits: 4**

HSP 3400 - Pharmacology of Drugs and Alcohol **Credits: 3**

HSP 3460 - Addiction, Immunity, and Infectious Diseases **Credits: 2**

HSP 3470 - Counseling the Substance Abuser **Credits: 4**

HSP 3660 - Advanced Motivational Interviewing and Applied Counseling Skills **Credits: 2**

HSP 4040 - Cognitive Behavior Therapy **Credits: 3**

HSP 4660 - Clinical Supervision in Human Services **Credits: 3**

HSP 4320 - Psychopathology and the Mental Health Clinician **Credits: 4**

HSP 4780 - Human Services Internship II **Credits: 8**

HSP 4790 - Human Services Internship III **Credits: 6 or 12**

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Major Required Courses	23 credits
Addiction Studies Concentration	53 credits
Senior Experience	8 credits
Unrestricted Electives	0-9 credits
Total for the Human Services Major, B.S., Addiction Studies Concentration	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

High Risk Youth Studies Concentration: 41-42 credits

This concentration prepares the human services professional to work in a variety of settings that serve high risk youth. Some possible program locations include outpatient counseling, institutional settings, juvenile corrections, schools, mentoring sites, and child protection. Students are also encouraged to have an understanding of substance abuse, domestic violence, and trauma as part of their degree program, due to the strong overlap between high risk youth behaviors and these issues.

HSP 2020 - Small Group Dynamics: Theory and Experience **Credits: 4**

HSP 2030 - Theory and Practice of Counseling **Credits: 4**

HSP 2040 - Family Systems **Credits: 4**

HSP 2105 - Foundations of Trauma Counseling **Credits: 3**

HSP 3220 - Conflict Resolution and Decision Making **Credits: 3**

HSP 3230 - High Risk and Offender Youth **Credits: 3**

HSP 3260 - Systems Serving Youth **Credits: 2**

HSP 3590 - Counseling the Resistive Adolescent Client **Credits: 2**

HSP 4540 - Youth, Drugs, and Gangs **Credits: 2**

HSP 4780 - Human Services Internship II **Credits: 8**

Choose one of the following:

CJC 3350 - Juvenile Justice and Delinquency **Credits: 3**

PSY 2210 - Psychology of Human Development **Credits: 3**

PSY 3260 - Psychology of Adolescence **Credits: 3**

*PSY 2210 and PSY 3260 have a required prerequisite of PSY 1001 Introductory Psychology (may be applied to General Studies)

SOC 3400 - Child and Adolescent Socialization **Credits: 3**

*Required Prerequisite: SOC 1010 Introduction to Sociology (may be applied to General Studies)

SWK 3010 - Social Work Practice with Children and Youth **Credits: 3**

Choose one of the following:

HSP 3070 - Advanced Behavioral Analysis **Credits: 3**

HSP 4320 - Psychopathology and the Mental Health Clinician **Credits: 4**

Electives: 14-15

The following electives are recommended for a comprehensive education in working with high risk youth.

HSP 1470 - Addictive Experiences: Sex, Drugs, Rock and Roll **Credits: 3**

or

HSP 3430 - Addictive Behaviors **Credits: 3**

HSP 3000 - Community Change in Human Services **Credits:** 3

HSP 3500 - Domestic Violence: Patterns of Relationship Abuse **Credits:** 2

or

HSP 3600 - Domestic Violence: Perpetrators of Abuse **Credits:** 2

HSP 4040 - Cognitive Behavior Therapy **Credits:** 3

HSP 4200 - Child Abuse and Neglect **Credits:** 2

HSP 4250 - Counseling the Gay, Lesbian, Bisexual, or Transgender Client **Credits:** 2

HSP 4290 - Posttraumatic Stress Disorder and Trauma Informed Care **Credits:** 1

Summary of Requirements

General Studies Requirement	33 credits
Multicultural Requirement	0-3 credits
Major Required Courses	23 credits
High Risk Youth Studies Concentration	41-42 credits
Senior Experience	8 credits
Suggested and Unrestricted Electives	14-15 credits
Total for the Human Services Major, B.S., High Risk Youth Studies Concentration	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

Mental Health Counseling Concentration: 36 credits

The Mental Health Counseling concentration teaches students about counseling theory and develops client interaction skills to assist clients to cope with life's personal and emotional challenges. This concentration prepares students for entry-level employment in community mental health, nonprofit counseling agencies, employee assistance programs, and general human service delivery systems under the supervision of licensed mental health professionals.

Students are encouraged to pursue graduate education in a variety of areas, including human services, counseling, psychology, social work direct services, addiction counseling, marriage and family, and pastoral counseling programs. Students should note that professional counseling licensure requires the completion of a graduate degree, passing a comprehensive examination, and completing a period of practice supervised by a licensed mental health professional.

HSP 2020 - Small Group Dynamics: Theory and Experience **Credits:** 4

HSP 2030 - Theory and Practice of Counseling **Credits:** 4

HSP 2040 - Family Systems **Credits:** 4

HSP 2105 - Foundations of Trauma Counseling **Credits:** 3

HSP 3070 - Advanced Behavioral Analysis **Credits:** 3

- HSP 3220 - Conflict Resolution and Decision Making **Credits:** 3
- HSP 4040 - Cognitive Behavior Therapy **Credits:** 3
- HSP 4320 - Psychopathology and the Mental Health Clinician **Credits:** 4
- HSP 4780 - Human Services Internship II **Credits:** 8

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Major Required Courses	23 credits
Mental Health Counseling Concentration	36 credits
Senior Experience	8 credits
Unrestricted Electives	17-26 credits
Total for the Human Services Major, B.S., Mental Health Counseling Concentration	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

Nonprofit Studies Concentration: 24 credits

This concentration provides both degree-seeking and career advancement professionals with the academic background and management skills necessary to become effective managers in a variety of nonprofit settings.

- HSP 2780 - Building A Sustainable Nonprofit **Credits:** 3
- HSP 3210 - Organizing and Advocacy for Social Change **Credits:** 3
- HSP 3220 - Conflict Resolution and Decision Making **Credits:** 3
- HSP 3510 - The People of Nonprofits: Staff, Board, Volunteers, Clients and You **Credits:** 3
- HSP 3810 - Fundraising Strategies for Nonprofit Organizations **Credits:** 3
- HSP 4030 - Grantwriting for Social Change **Credits:** 3
- HSP 4450 - Nonprofit Financial Management and Financing **Credits:** 3

Choose one of the following:

- HSP 2760 - Social Media for Social Change **Credits:** 3
- HSP 3860 - Social Entrepreneurship **Credits:** 3

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirements	0-3 credits
Major Required Courses	23 credits
Nonprofit Studies Concentration	24 credits
Senior Experience	8 credits
Unrestricted Electives	29-38 credits
Total for the Human Services Major, B.S., Nonprofit Studies Concentration	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

Pathway for Current Paramedics: 16 credits

The Pathway for Current Paramedics is designed for students interested in combining their previous paramedic training with additional academic course work. Students with a current and valid Colorado and/or national Paramedic Certification will receive 24 credits towards their degree requirements.

HSP 2020 - Small Group Dynamics: Theory and Experience **Credits: 4**

HSP 2030 - Theory and Practice of Counseling **Credits: 4**

HSP 2040 - Family Systems **Credits: 4**

HSP 4320 - Psychopathology and the Mental Health Clinician **Credits: 4**

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Major Required Courses	23 credits
Additional Required Human Services Courses	16 credits
Paramedic Certification	24 credits
Senior Experience	8 credits
Unrestricted Electives	13-22 credits
Total for the Human Services Major, B.S., Paramedic Pathway	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

Trauma Studies Concentration: 41 credits

There is a strong documented connection between trauma and subsequent mental health and substance abuse issues. The concentration in Trauma Studies offers students the ability to gain practical knowledge and skills necessary for careers that serve a client population that likely has experienced trauma. Students will examine the myriad effects of trauma on physical, emotional, cognitive, and behavioral functioning as well as the skills necessary to be effective with this population. Coursework focuses on both trauma and complex trauma, the impact trauma has on overall functioning, and treatment interventions and supportive activities for practitioners who work with this population. The concentration in Trauma Studies was designed not only to allow students choice in meeting their educational and career goals but also to prepare them well for graduate study, as students who want to be counselors are encouraged to continue their education at the graduate level upon graduation.

HSP 2020 - Small Group Dynamics: Theory and Experience **Credits:** 4

HSP 2030 - Theory and Practice of Counseling **Credits:** 4

HSP 2040 - Family Systems **Credits:** 4

HSP 2105 - Foundations of Trauma Counseling **Credits:** 3

HSP 3105 - Exploring the Impact of Trauma Counseling **Credits:** 3

HSP 3220 - Conflict Resolution and Decision Making **Credits:** 3

HSP 3660 - Advanced Motivational Interviewing and Applied Counseling Skills **Credits:** 2

HSP 4040 - Cognitive Behavior Therapy **Credits:** 3

HSP 4105 - Advanced Trauma Counseling Skills **Credits:** 3

HSP 4320 - Psychopathology and the Mental Health Clinician **Credits:** 4

HSP 4780 - Human Services Internship II **Credits:** 8

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Major Required Courses	23 credits
Trauma Studies Concentration	41 credits
Senior Experience	8 credits
Unrestricted Electives	12-21 credits
Total for the Human Services Major, B.S. Trauma Studies Concentration	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

~~Early Entry to Master in Clinical Behavioral Health, Emphasis in Addictions Counseling Pathway~~

~~This pathway allows students to begin their graduate work while completing their undergraduate requirements. Students may apply to the Early Entry Master of Health in Clinical Behavioral Health, Emphasis in Addictions Counseling program after completing 61 credit hours in their bachelor's program including all General Studies requirements (33 credits) and specified courses in the department (28 credits). Any graduate level course counting towards either the undergrad or graduate degree must be completed with a 'B-' or higher. Students may complete their bachelor's degree at 120 credits (through our department if all requirements have been met, or through the Individualized Degree Program, if applicable).~~

~~Pre-Application to Master's Program: 28 credits~~

~~Students need to complete all of their general studies courses (33) plus 28 credits of department courses.~~

~~HSP 1010—Introduction to Human Services **Credits: 3**~~

~~HSP 1020—Introduction to Trauma Informed Care **Credits: 3**~~

~~HSP 2040—Family Systems **Credits: 4**~~

~~HSP 3220—Conflict Resolution and Decision Making **Credits: 3**~~

~~HSP 3330—Ethical and Legal Issues in Human Services **Credits: 3**~~

~~HSP 3470—Counseling the Substance Abuser **Credits: 4**~~

~~HSP 3490—Multicultural Issues in Human Services **Credits: 4**~~

~~HSP 4320—Psychopathology and the Mental Health Clinician **Credits: 4**~~

~~Application and Bridge Semester: 13 credits~~

~~After completing 61 credits and the required course work, students may apply for the Early Entry master's program. Students complete the regular master's application. Students should take the following courses during the semester in which their application is being reviewed.~~

~~HSP 2010—Introduction to High Impact Nonprofit Organizations **Credits: 3**~~

~~HSP 2070—Pre-Field Placement Seminar **Credits: 1**~~

~~HSP 4040—Cognitive Behavior Therapy **Credits: 3**~~

~~Elective Courses **Credits: 6**~~

~~Undergraduate Status Taking Masters Courses: 36 credits~~

~~Students who are accepted into the program can start taking "dual-use" master's classes which will count towards both an undergraduate and graduate degree. Students will remain classified as undergraduate but pay graduate tuition rates for any master's level course. Courses designated (dual purpose) will count towards undergraduate and graduate degree requirements. BHAM courses without this designation (dual purpose) will count only towards graduate degree requirements. Students need a B- or higher in all BHAM courses to count towards both undergraduate and graduate degree requirements.~~

~~Students should consult the graduate catalog for further information regarding course information and program requirements at the graduate level.~~

~~HSP 4780—Human Services Internship II **Credits: 8**~~

- ~~BHAM 5001 Advanced Ethical Practice Credits: 3~~
- ~~BHAM 5003 Development Across the Lifespan Credits: 3~~
- ~~BHAM 5009 Addiction Counseling, Intervention and Prevention I Credits: 3~~
- ~~BHAM 5005 Theory and Techniques in Helping Relationships (dual purpose) Credits: 3~~
- ~~BHAM 5006 Group Counseling Theory and Techniques (dual purpose) Credits: 3~~
- ~~BHAM 5008 Research and Evaluation (dual purpose) Credits: 3~~
- ~~BHAM 5010 Addiction Counseling, Intervention and Prevention II (dual purpose) Credits: 3~~
- ~~BHAM 5011 Clinical Supervision and Advocacy (dual purpose) Credits: 3~~
- ~~BHAM 5014 Psychopharmacology, Neurobiology, and Infectious Diseases (dual purpose) Credits: 4~~

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Preapplication Courses	28 credits
Application and Bridge Courses	13 credits
Dual Purpose Courses	36 credits
Senior Experience	8 credits
Unrestricted Electives	0-8 credits
Total for the Human Services Major, B.S. Early Entry Pathway	120 credits

~~Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.~~

Program Modification

Master of Science in Clinical Behavioral Health, Emphasis in Addictions Counseling

Clinical Behavioral Health, emphasis in Addictions Counseling Program Description

The Master of Science in Clinical Behavioral Health with an emphasis in Addictions Counseling prepares students for advanced work in the field of addictions. Upon completion of the program, students will be eligible to apply to be a Licensed Addictions Counselor (LAC). Coursework includes a mix of classroom learning and real world field experience.

Additional Licensure Option

~~Students will be eligible for the Licensed in Professional Counselor (LPC) in addition to the Licensed Addictions Counselor (LAC) with one additional Internship.~~ Students will be eligible to apply for their provisional counseling license

(the first step in obtaining Licensed Professional Counselor (LPC) license) upon graduation as well as their Licensed Addictions Counselor (LAC) license.

Accreditation

~~The Master of Science in Clinical Behavioral Health with an emphasis in Addictions Counseling is a member of NASAC, the National Addictions Studies Accreditation Commission and NADAAC, the National Association of Addictions Professionals. The program has been designed to meet accreditation standards for CACREP, the Council for Accreditation of Counseling and Related Educational Programs. The program must graduate one class before seeking accreditation.~~ The Master of Science in Clinical Behavioral Health with an emphasis in Addictions counseling is a member of the National Association of Addictions Professionals (NADAAC), and is seeking accreditation through the National Addiction Studies Accreditation Commission (NASAC). The program has been designed to meet accreditation standards for the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

Mission, Goals and Competencies

Mission of the Graduate Program

The mission of the Master of Science in Clinical Behavioral Health with an emphasis in Addictions Counseling is to train practitioners with professional competency in the field of addictions counseling who will provide excellence in service delivery along the entire continuum of care. The Master of Science Program will integrate education, research, skills development, treatment and recovery evidence-based practices with experiential opportunities in the pursuit of understanding and treating substance abuse and addictive behavior disorders.

Goals

1. Offer a specialty in addiction studies for students seeking to treat people from diverse backgrounds who have been under-served and stigmatized
2. Fulfill a documented need for specialists in addiction science and clinical treatment
3. Fill a strong regional need for licensed addiction counselors who can accept third-party payers and insurers
4. Offer faculty with expertise and who are deeply connected with the community
5. Provide a rich diversity of staff and faculty ethnically, experientially, and professionally
6. Integrate behavioral health-care degree that merges substance abuse, behavioral addictions, and mental health counseling
7. Provide a transformation educational experience that touches the community, program, school and university

Competencies

Program competencies are dictated by accrediting bodies including CACREP and NASAC. The following is a sampling of the required competencies:

1. Recognize the social, political, economic, and cultural context within which addiction and substance abuse exist, including risk and resiliency factors that characterize individuals and groups and their living environments (NAADAC/ SAMHSA competency 2)
2. Exhibit the ethical standards of professional counseling organizations and credentialing bodies, and applications of ethical and legal considerations in professional counseling (CACREP, Section 2.F.1.i)
3. Understand the established diagnostic criteria for substance abuse disorders, and describe treatment modalities and placement criteria within the continuum of care (NAADAC/ SAMHSA competency 9)
4. Compare theories and models of career development, counseling, and decision making (CACREP, Section 2.F.4.a)
5. Appraise theories and models of multicultural counseling, cultural identity development, and social justice and advocacy (CACREP, Section 2.F.2.b)

6. Protect client rights to privacy and confidentiality in the preparation and handling of records, especially in relation to the communication of client information with third parties .(NAADAC/ SAMHSA competency 109)
7. Understand the importance of research and outcome data and their application in clinical practice (NAADAC/ SAMHSA competency 7)
8. Formative and summative evaluations of the student's counseling performance and ability to integrate and apply knowledge are conducted as part of the student's practicum and internship (CACREP, Section 3.c)

Clinical Behavioral Health, emphasis in Addictions Counseling Program Admission

Admissions Criteria

Program acceptance requires students to have a Bachelor's Degree from a regionally accredited University acceptable by MSU Denver. To apply for the Master of Science in Behavioral Health, emphasis in Addictions Counseling, students must submit the following:

1. Graduate admissions application
2. Graduate application fee
3. Official transcripts from all colleges and universities attended

Note: The program requires a minimum cumulative grade point average of 3.0. Students who have a GPA below 3.0 can request a review of their application and supporting materials including transcripts, resume and essay.

4. Resume or Curriculum Vitae
5. 500-1000 word essay, ~~APA format~~ on the following: ~~Reason for applying, career and goal statement, experience with cultural diversity~~ Please address your motivations for pursuing a behavioral health degree, reasons for applying specifically to this program instead of other programs, and how this program matches your career goals. Applicants are evaluated on the quality and content of their writing sample.
6. Reference letters (professional and academic)
References should address the applicant's clinical aptitude and/or personality traits that would help them be successful in a clinical program.

All admission decisions will be made by the Admissions Committee. Incomplete applications will not be reviewed. After the Admissions Committee receives and reviews the application, applicants who meet the minimum requirements may be called in for a pre-admission workshop. Applicants will be notified in writing (via e-mail) of their status. Applicants may be accepted, accepted with conditions, wait-listed, or denied admission. Students should check the program website for application time-lines.

Students Without a Behavioral Health Degree or Clinical Experience

All prospective students are evaluated based on their academic and professional background. Students who do not have an academic and/or professional history working with clients with mental health and/or addictive disorders, maybe required to take a "bridge course" the semester prior to enrolling in the program. This 3-credit, hybrid course covers addiction etiology, assessment and treatment interventions. The course also introduces students to basic therapeutic communication and counseling skills. The cost of the course is at the undergraduate rate and will not appear on your graduate school transcript. Students who are required to complete this course will be notified at time of program acceptance.

Note regarding criminal background checks: While MSU Denver does not require students to complete a criminal background check, students should be aware that certain offenses and charges may prevent internship placement and impact post-graduate employment.

International Applicants

Applying to a graduate program as an international student at Metropolitan State University of Denver consists of several additional steps. The following instructions and checklist will guide you.

International Students must:

- complete all of the same requirements as domestic students;
- have achieved a minimum TOEFL score of 540 (or a score of 76 on the Internet version)

or a score of 6.0 on the IELTS

- submit the required immigration documents for issuance of an I-20.

Deadlines for international student admission are available on individual program websites. A non-refundable \$50 application fee applies. The Graduate Admissions Application is available on the Office of Admissions website.

Foreign transcripts must also have an official English translation done by a certified translator, if applicable, and a professional, course-by-course evaluation showing equivalency to a U.S. bachelor's degree. World Education Services, wes.org, or Education Credential Evaluators, ece.org, are recommended professional transcript evaluation service providers.

Students may not be eligible for state licensure; it is the responsibility of the student to check eligibility status.

Non-Degree Seeking Students

Students may be admitted to the graduate degree program as non-degree-seeking and may take up to nine credit hours as a non-degree-seeking student. Non-degree-seeking students do not qualify for financial aid and must re-apply and pay a new application fee in order to become degree-seeking. Completing coursework as a non-degree-seeking student does not guarantee admission into a degree-seeking program. These nine credits will count toward transfer credits if the student is admitted as a degree-seeking student.

Prior Learning Assessment

Due to state requirements, we do not allow for Prior Learning Assessment.

Transfer Students

No more than 9 graduate-level, transfer credits (semester hours or equivalent) will be accepted. These credits must have been completed no longer than six years prior to the admission term and must be from a regionally accredited, U.S. institution or equivalent.

The program has discretion over acceptance of transfer courses. A minimum grade of "B" is required for each transfer course. Applicants should check the program website and/or contact a program advisor for details.

Required Orientation

Students must attend an Orientation to Masters Level Education before beginning the program. This session will cover the conceptual framework for the counseling profession with an emphasis in addictions counseling. Orientation is designed to prepare students for the graduate learning experience at MSU Denver. Students will have opportunities to develop and strengthen the skills necessary to succeed as graduate students in the health sciences. Emphasis is placed on utilizing the tools for graduate success.

Orientation introduces students to the requirements for successful participation in a curriculum on a hybrid platform (in class and **online on-line**). It provides a foundation for academic and professional success as a scholar-practitioner. Topics include the relationship of mission and vision to professional goals; development of a student-centered program of study and Professional Development Plan; strategies for **online on-line** success; introduction to the brick-and-mortar and online libraries; and introduction to critical thinking, professional writing, and academic integrity. Assignments focus on

practical application of writing and critical-thinking skills and promote professional and academic excellence as they relate to practice in psychology and counseling.

Program Requirements

Students must successfully complete all courses comprising 60-66 credit hours. Students must maintain a GPA of 3.0 in any academic term. Any student falling below a 3.0 in any given term will be placed on academic probation and be required to develop a remediation plan with an academic advisor for raising the GPA above 3.0.

The university residency requirement for a master's program is the total number of semester hours required for the program minus nine.

Students who fail to raise their GPA over 3.0 after 15 credits will be dismissed from the program. No grade lower than a ~~"B"~~ **B- (Satisfactory in practicum and internship courses)** will count toward degree completion. Students receiving a ~~"C"~~ **C+** or ~~below~~ **lower** will be required to repeat the course. Students must be aware that the sequential coursework policy will often require students to take time off to repeat the coursework. Students who do not successfully complete a course with a ~~"B"~~ **B-** or better after the second attempt will be dismissed from the program.

Students may enroll in no more than fifteen (15) credit hours per semester. Students who wish to take over 15 credits must seek approval. For additional information, please contact the Program Director at 303-615-1063, or addictionsmasters@msudenver.edu.

~~No course may count toward both the master's degree and a bachelor's degree.~~

~~Only students who are formally accepted into the program or non-degree-seeking status may register for any graduate-level courses.~~

~~With the exception of undergraduate students accepted in to the "Early Entry to Masters of Science in Clinical Behavioral Health, Emphasis in Addictions Counseling Pathway", no course may count toward both the master's degree and a bachelor's degree.~~

Graduate students are considered full-time if they are registered for six (6) credit hours, half-time if registered for three (3) credit hours. Financial aid requires students to be registered for a minimum of three (3) credit hours.

Students must complete the master's degree within six (6) calendar years from the semester of initial enrollment.

Students not enrolled for three (3) consecutive semesters (including summer) must submit a re-admission application. Students requesting re-admission must be in good academic standing and must submit their application for re-admission to the master's program in which they have been enrolled. Students who readmit into the program will be held to the policies and curriculum of the later term in which they officially restart the program. An approved re-admit application is valid for one academic year from the re-admit semester. Students who are not in good academic standing are not eligible for the readmit application process and must fully apply to the program. For additional information, please contact the Program Director at 303-615-1063, or addictionsmasters@msudenver.edu. Academic policies and the Student Code of Conduct will be employed to all MSU Denver students, regardless of level. Access the Student Code of Conduct.

Enrolled students should refer to the Academic Policies and Procedures section of the Graduate Catalog for a listing of all grades and notations including incompletes and withdrawals. In addition to adhering to the University requirement for "incomplete" eligibility, students are not allowed to have more than one outstanding "incomplete" at one time. This status will initiate an automatic performance review and will not be in good academic standing.

Practicum and Internship Process

All students are required to participate in ~~a two~~, 3 credit Practicum ~~experience~~ **experiences** and a 6 credit Internship that will count towards the Licensed in Addictions Counselor (LAC). Students may complete internship in 3 or 6 credit increments, based on the number of hours they are able to dedicate to their field experience in a given semester. Students

will attend a seminar as a part of their credit load. ~~Students may opt to participate in a second 12-credit internship that will count towards the Licensed Professional Counselor (LPC).~~ Students may opt to participate in a second internship to gain more mental health experience as well as collect additional LAC hours prior to graduation.

Advancement to Candidacy

A review of a candidate's plan of study and progress must be conducted as soon as all the minimum requirements have been met and no later than the first day of the term in which the student expects to complete the degree. Minimum requirements for the review include completion of any provisional admission requirements, an approved plan of study that will lead to meeting the degree requirements, posting of any transfer work to the student's record, and a grade point average of "B" or better in all work completed to that point. Successful completion of the review and approval by the appropriate student services office and the Office of Graduate Studies constitutes Advancement to Candidacy.

Master of Science in Clinical Behavioral Health, emphasis in Addictions Counseling Program Requirements

Courses will be offered in a sequenced format. The sequential coursework framework means not all courses will be offered each semester. Student advising is essential for effective course planning.

Required Courses (60 credit hours for LAC only; 66 for additional LPC requirements)

- BHAM 5001 - Advanced Ethical Practice **Credits:** 3
- BHAM 5002 - Social and Cultural Foundations **Credits:** 3
- BHAM 5003 - Development Across the Lifespan **Credits:** 3
- BHAM 5004 - Career Counseling Theory and Techniques **Credits:** 3
- BHAM 5005 - Theory and Techniques in Helping Relationships **Credits:** 3
- BHAM 5006 - Group Counseling Theory and Techniques **Credits:** 3
- BHAM 5007 - Psychopathology **Credits:** 3
- BHAM 5008 - Research and Evaluation **Credits:** 3
- BHAM 5009 - Addiction Counseling, Intervention and Prevention I **Credits:** 3
- BHAM 5010 - Addiction Counseling, Intervention and Prevention II **Credits:** 3
- BHAM 5011 - Clinical Supervision and Advocacy **Credits:** 3
- BHAM 5012 - Diagnosis and Treatment Planning **Credits:** 3
- BHAM 5013 - Statistical Analysis and Psychometric Testing **Credits:** 3
- BHAM 5014 - Psychopharmacology, Neurobiology, and Infectious Diseases **Credits:** 4
- BHAM 5015 - Family Systems and Addiction **Credits:** 3
- BHAM 5016 - Trauma-Informed Care **Credits:** 3
- BHAM 5017 - Principles of Integrative Behavioral Healthcare **Credits:** 2
- BHAM 5030 - Practicum **Credits:** 3
- BHAM 5031 - Internship I: Addiction Counseling **Credits:** 3-6

Additional Courses for LPC requirements

Students may apply for licensure through the state, two years post Master's after having met state requirements. NOTE: Students will need to apply through the state for their LAC as well, post Master's (Field hours will count towards LAC licensure).

- BHAM 5041 - Internship II: Mental Health Counseling **Credits:** 3-6

College of Letters, Arts and Sciences

Mission

~~The mission of the College of Letters, Arts and Sciences is to provide an integrated education to engage students in deliberative dialogues, undergraduate research and experiential learning. We prepare students to engage in civic problem-solving to address the most pressing issues in society, and to create an enriching life.~~

Our college will attract, educate, and champion students from every community who are motivated by learning, discovery, and a desire to make a difference. Through expertly crafted content and hands-on-learning, CLAS students attain holistic knowledge, disciplinary expertise, and advanced critical thinking skills. They understand the intersectional qualities of humanity and thought, utilizing this knowledge to thrive and succeed in life's journey.

Academic Departments

The College of Letters, Arts and Sciences offers more than 50 major and minor programs through 19 departments and 1 Institute. The faculty teach the majority of the General Studies Program and help prepare students to be teachers in their content area. The College offers an interdisciplinary curriculum with programs of study in the humanities, and in social, natural, and mathematical sciences. The programs prepare students for careers, graduate work, and lifelong learning.

- [Department of Africana Studies](#)
- [Department of Art](#)
- [Department of Biology](#)
- [Department of Chemistry and Biochemistry](#)
- [Department of Chicana and Chicano Studies](#)
- [Department of Communication Studies](#)
- [Department of Earth and Atmospheric Sciences](#)
- [Department of English](#)
- [Department of History](#)
- [Department of Journalism and Media Production](#)
- [Department of Mathematics and Statistics](#)
- [Department of Modern Languages](#)
- [Department of Music](#)
- [Department of Philosophy](#)
- [Department of Physics](#)
- [Department of Political Science](#)
- [Department of Psychological Sciences](#)
- [Department of Sociology and Anthropology](#)
- [Department of Theatre and Dance](#)
- [Gender Institute for Teaching and Advocacy](#)

Academic Centers and Programs

~~Through centers, the College of Letters, Arts and Sciences advances educational and social goals:~~

- ~~The Center for Advanced STEM Education leads the effort to reform science and mathematics education in Colorado. The Center contributes to systemic change in education by building cooperative programs with other colleges and universities, public schools, and the Colorado Department of Education. The Center is the focal point for the Colorado Alliance for Science, a statewide alliance. The Center also develops programs and services for students from underrepresented groups in the areas of mathematics, science and environmental education. Currently, the Center is a site for the Colorado Alliance for Minority Participation (CO-AMP) and offers tutoring and mentoring services to these students. The Colorado Alliance for Science, a statewide alliance of universities,~~

~~offers assistance and support to students and teachers to strengthen the community's interest in science and mathematics. msudenver.edu/case/~~

- ~~• The Golda Meir Center for Political Leadership is a nonpartisan, educational project designed to foster greater public understanding of the role and meaning of leadership at all levels of civic life, from community affairs to international relations. msudenver.edu/golda~~
- ~~• The Family Literacy Program provides learning within a family context by offering four comprehensive home and school based literacy initiatives to enhance the relationships between parents and children. <https://msudenver.edu/flp/>~~
- ~~• Journey through Our Heritage is one of the nation's most innovative and unique multi-cultural educational programs that partners college peer mentors with local high school students. Students engage in a year long program that enhances the public school system's curriculum in the areas of African American, Native American Chicano/a, Mexicana/o, Mexican American and Latina/o Studies. <https://msudenver.edu/journey/>~~

Department of Biology

The Department of Biology offers two degrees, the Bachelor of Science in Biology and the Bachelor of Arts in Biology. In addition, the department offers a minor in biology and two concentrations in medical technology and cell and molecular biology. Supportive courses associated with paramedical studies and criminalistics, as well as general courses for enrichment of the non-science student's background, are offered by the department.

Students seeking teacher licensure, either elementary or secondary, should see an advisor in the biology department, as well as in the teacher education program.

Students interested in preparation for medical school or other health professions should contact the biology department for specialized advising. A senior exit exam, The Major Field Test, must be taken during the semester of anticipated graduation. The biology department's main office is located in the Science Building, Room 2042, 303-615-0777.

Academic Programs

- [Biology Major, B.A.](#)
- [Biology Major, B.S.](#)
- [Biology Major, B.A. with Secondary Science Teacher Licensure Concentration](#)
- [Biology Minor](#)

Guidelines for Field Experience, Internship, Practicum, and Workshop Courses

No more than four semester hours with the following course numbers will be applied toward the 40 semester hours of biology courses required for graduation: BIO 2888, 2980, 2990, 3970, 3980, 4888, 4950, 4980, and 4990. However, additional credits with the above course numbers may be applied toward general elective hours.

Biology Major, B.A.

[Department of Biology](#)

[College of Letters, Arts and Sciences](#)

Available Program Format(s): [In-Person](#)

About the Program

The Department of Biology degree program provides students with the conceptual framework to examine living organisms from the molecular level to entire ecosystems. Students in both the Biology Major, B.A. and Biology Major, B.S. gain comprehensive knowledge of biological principles as well as the analytical skills and laboratory and field-based scientific training necessary to pursue graduate studies, conduct contemporary biological research, or directly enter the

workforce. These majors allow students the flexibility to tailor their coursework toward a particular discipline of interest. The difference between the majors is in the amount of chemistry and mathematics required. Students should consult with a faculty advisor for degree planning towards field-specific career or post-baccalaureate goals.

Student Outcomes

- I.1. Biology graduates will demonstrate the ability to interpret and apply the principles of cell biology.
- I.2. Biology graduates will demonstrate the ability to interpret and apply the principles of Molecular Biology & Genetics.
- I.3. Biology graduates will demonstrate the ability to interpret and apply the principles of Organismal Biology.
- I.4. Biology graduates will demonstrate the ability to interpret and apply the principles of Population Biology, Evolution, and Ecology.
- II.1. Biology graduates will demonstrate proper use and understanding of a broad range of biological techniques.
- II.2. Biology graduates will use knowledge and observations to formulate hypotheses, identify relevant variables, and design experiments to test hypotheses.
- III.1. Biology graduates will demonstrate the ability to locate and critically analyze sources of biological information.
- III.2. Biology graduates will demonstrate the ability to communicate concepts in biology using the vocabulary of the discipline.

General Degree Requirements

To earn a degree, students must satisfy all requirements in each of the four areas below, in addition to their individual major requirements.

- [Degree and Certificate Requirements](#)
- [General Studies Requirements](#)
- [Multicultural Graduation Requirements](#)
- [Senior Experience Graduation Requirements](#)

Program Requirements

- A total of 120 semester hours are required for graduation.
- A grade of "C-" or better is required for each BIO prefix course in this program to count toward the bachelor's degree. Students should note that programs differ in the minimum grade required.
- A minor is required for this program.

General Studies Requirements: 33 credits

Students should consult the General Studies Requirements for a list of courses that fulfill the General Studies Requirements for degree completion.

- Written Communication (6 credits)
- Oral Communication (3 credits)
- Quantitative Literacy (3 credits)
- Arts and Humanities (6 credits)
- Historical (3 credits)
- Natural and Physical Sciences (6 credits)

- Social and Behavioral Sciences (6 credits)
- Global Diversity (0 or 3 credits**)

*** Students will fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; natural and physical sciences; or social and behavioral sciences.*

Multicultural Requirement: 0 or 3 credits

- Students should consult the Multicultural Graduation Requirements for a list of courses that fulfill the Multicultural Requirement for degree completion.

Required Non-Biology Courses: 11-12 credits

All students must complete the following courses. To use CHE 1100 or CHE 1800 for the General Studies Natural and Physical Sciences requirement, students must take the corresponding lab (CHE 1150 or CHE 1801, respectively).

The Math course may count toward the Quantitative Literacy General Studies requirements.

- CHE 1100 - Principles of Chemistry **Credits: 4**
- CHE 2100 - Introduction to Organic and Biological Chemistry **Credits: 4**
or
- CHE 1800 - General Chemistry I **Credits: 4**
- CHE 1810 - General Chemistry II **Credits: 4**
- A minimum of one semester of mathematics starting with MTH 1109 or above. Note - MTH 1210 does not satisfy this requirement. Credits: 3-4

Biology Major Required Courses: 19-23 credits

- BIO 1080 - General Biology I **Credits: 3**
- BIO 1081 - General Biology II **Credits: 3**
- BIO 1090 - General Biology Laboratory I **Credits: 1**
- BIO 1091 - General Biology Laboratory II **Credits: 1**
- BIO 3520 - General Ecology **Credits: 3**
and
- BIO 3600 - General Genetics **Credits: 4**
or
- BIO 3610 - Genetics: Principles and Analysis **Credits: 4**

Select one of these options: 4-8 credits

Option 1

- BIO 2100 - General Botany **Credits: 5**

Option 2

- BIO 2400 - General Microbiology **Credits: 5**

Option 3

Both courses

- BIO 2310 - Human Anatomy and Physiology I **Credits: 4**
- BIO 2320 - Human Anatomy and Physiology II **Credits: 4**

Option 4

One of the following two courses

- BIO 3200 - Invertebrate Zoology **Credits: 4**
or
- BIO 3260 - Vertebrate Zoology **Credits: 4**

Biology Electives: 17-21

Biology courses selected from the 2000-, 3000-, and 4000-level series, and approved by faculty advisors in the Biology Department, must be completed to bring the total of biology courses approved for the major to 40 semester hours.

Upper division course requirements

At least 21 semester hours of the major (including General Genetics and General Ecology) must be 3000- and 4000-level BIO courses approved by the Biology Department faculty.

Senior Experience: 3 credits

- Senior Experience course

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Required Non-Biology Courses	11-12 credits
Biology Major Required Courses	19-23 credits
Biology Electives	17-21 credits
Senior Experience	3 credits
Minor and Unrestricted Electives	29- 38 42 credits
Total for the Biology Major, B.A.	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

Biology Major, B.S.

[Department of Biology](#)

[College of Letters, Arts and Sciences](#)

Available Program Format(s): [In-Person](#)

About the Program

The Department of Biology degree program provides students with the conceptual framework to examine living organisms from the molecular level to entire ecosystems. Students in both the Biology Major, B.A. and Biology Major, B.S. gain comprehensive knowledge of biological principles as well as the analytical skills and laboratory and field-based scientific training necessary to pursue graduate studies, conduct contemporary biological research, or directly enter the workforce. These majors allow students the flexibility to tailor their coursework toward a particular discipline of interest. The difference between the majors is in the amount of chemistry and mathematics required. Students should consult with a faculty advisor for degree planning towards field-specific career or post-baccalaureate goals.

Student Outcomes

- I.1. Biology graduates will demonstrate the ability to interpret and apply the principles of cell biology.
- I.2. Biology graduates will demonstrate the ability to interpret and apply the principles of Molecular Biology & Genetics.
- I.3. Biology graduates will demonstrate the ability to interpret and apply the principles of Organismal Biology.
- I.4. Biology graduates will demonstrate the ability to interpret and apply the principles of Population Biology, Evolution, and Ecology.
- II.1. Biology graduates will demonstrate proper use and understanding of a broad range of biological techniques.
- II.2. Biology graduates will use knowledge and observations to formulate hypotheses, identify relevant variables and design experiments to test hypotheses.
- III.1. Biology graduates will demonstrate the ability to locate and critically analyze sources of biological information.
- III.2. Biology graduates will demonstrate the ability to communicate concepts in biology using the vocabulary of the discipline.

General Degree Requirements

To earn a degree, students must satisfy all requirements in each of the four areas below, in addition to their individual major requirements.

- [Degree and Certificate Requirements](#)
- [General Studies Requirements](#)
- [Multicultural Graduation Requirements](#)
- [Senior Experience Graduation Requirements](#)

Program Requirements

- A total of 120 semester hours are required for graduation.
- A grade of "C-" or better is required for each BIO prefix course in this program to count toward the bachelor's degree. Students should note that programs differ in the minimum grade required.
- A minor is required for this program.

General Studies Requirements: 33 credits

Students should consult the General Studies Requirements for a list of courses that fulfill the General Studies Requirements for degree completion.

- Written Communication (6 credits)
- Oral Communication (3 credits)
- Quantitative Literacy (3 credits)
- Arts and Humanities (6 credits)
- Historical (3 credits)
- Natural and Physical Sciences (6 credits)
- Social and Behavioral Sciences (6 credits)
- Global Diversity (0 or 3 credits**)

*** Students will fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; natural and physical sciences; or social and behavioral sciences.*

Multicultural Requirement: 0 or 3 credits

Students should consult the Multicultural Graduation Requirements for a list of courses that fulfill the Multicultural Requirement for degree completion.

Required Non-Biology Courses: ~~25-26~~ 27 credits

All students must complete the following courses. CHE 1800 and CHE 1801 courses may also count toward the Natural and Physical Science General Studies requirements. The Math courses may count toward the Quantitative Literacy General Studies requirements.

- CHE 1800 - General Chemistry I **Credits:** 4
- CHE 1801 - General Chemistry I Laboratory **Credits:** 1
- CHE 1810 - General Chemistry II **Credits:** 4
- CHE 1811 - General Chemistry II Laboratory **Credits:** 1
- CHE 3120 - Organic Chemistry Laboratory I **Credits:** 1

Select one of the following course sequences:

- CHE 3100 - Organic Chemistry I **Credits:** 4
 - CHE 3110 - Organic Chemistry II **Credits:** 3
 - or
 - CHE 3090 - Survey of Organic Chemistry **Credits:** 4
 - CHE 4310 - Biochemistry I **Credits:** 4
- One year of Mathematics starting with MTH 1109, MTH 1110 or above. **Credits:** ~~7-8~~

Biology Major Required Courses: 19-23 credits

- BIO 1080 - General Biology I **Credits:** 3
- BIO 1090 - General Biology Laboratory I **Credits:** 1
- BIO 1081 - General Biology II **Credits:** 3
- BIO 1091 - General Biology Laboratory II **Credits:** 1

- BIO 3520 - General Ecology **Credits: 3**
and
- BIO 3600 - General Genetics **Credits: 4**
or
- BIO 3610 - Genetics: Principles and Analysis **Credits: 4**

Select one of these options: 4-8 credits

Option 1:

- BIO 2100 - General Botany **Credits: 5**

Option 2:

- BIO 2400 - General Microbiology **Credits: 5**

Option 3:

Both

- BIO 2310 - Human Anatomy and Physiology I **Credits: 4**
and
- BIO 2320 - Human Anatomy and Physiology II **Credits: 4**

Option 4:

Either

- BIO 3200 - Invertebrate Zoology **Credits: 4**
or
- BIO 3260 - Vertebrate Zoology **Credits: 4**

Electives: 17-21 credits

- Biology courses selected from the 2000-, 3000-, and 4000-level series, and approved by faculty advisors in the Biology Department, must be completed to bring the total of biology courses approved for the major to 40 semester hours.

Upper division course requirement

At least 21 semester hours of the major (including General Genetics and General Ecology) must be 3000- and 4000-level BIO courses approved by the Biology Department faculty.

Senior Experience: 3 credits

- Senior Experience course

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Required Non-Biology Courses	25-26 -27 credits
Biology Major Required Courses	19-23 credits
Major Electives	17-21 credits
Senior Experience	3 credits
Minor and Unrestricted Electives	14- 24 28 credits
Total for the Biology Major, B.S.	120 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

Department of Mathematics and Statistics

Mathematics Major with Secondary Mathematics Licensure

The Department of ~~Mathematical and Computer Sciences~~ **Mathematics and Statistics** offers a major in Mathematical Sciences with a concentration in Mathematics Education. The goals of this program are to provide degree-seeking candidates with: (1) broad-based and coherent preparation in the various disciplines that constitute the mathematical sciences and; (2) the pedagogical knowledge of mathematics needed to begin a career as a middle or high school mathematics teacher. Candidates are required to meet with one or more of the faculty advisors in the area of mathematics education as well as a teacher licensure advisor as they plan their academic program.

Department of Music

Music Education, B.M.E.

[Department of Music](#)

[College of Letters, Arts and Sciences](#)

Available Program Format(s): [In-Person](#)

About the Program

The Bachelor of Music Education degree prepares students for careers teaching music in K-12 schools and satisfies the requirements for K-12 licensure in the State of Colorado. Students must apply for and be granted admission to the music education program prior to any enrollment in music education methods courses, supervised field experiences, and student teaching. Further information may be obtained in the *Department of Music Student Handbook*. Students seeking this degree must satisfy all applicable requirements of the Department of Music and the School of Education teacher education program. To become licensed, recipients of the Bachelor of Music Education degree must satisfy all applicable requirements of the teacher education and licensure programs in the School of Education. This degree program

is approved by the Colorado State Department of Education and has full accreditation by the National Association of Schools of Music.

Student Outcomes

- Describe knowledge of content, methodologies, philosophies, materials, technologies, and curriculum development in music education.
- Teach music at various levels to different age groups in a variety of classroom and ensemble settings.
- Demonstrate a functional knowledge of voice, wind, string, percussion, and modern instruments.
- Assess individuals and groups of students and plan educational programs to meet assessed needs.
- Evaluate techniques and apply them in assessing both the musical progress of students and the objectives and procedures of the curriculum.
- Accept, amend, or reject methods and materials based on personal assessment of specific teaching situations.

General Degree Requirements

To earn a degree, students must satisfy all requirements in each of the four areas below, in addition to their individual major requirements.

- [Degree and Certificate Requirements](#)
- [General Studies Requirements](#)
- [Multicultural Graduation Requirements](#)
- [Senior Experience Graduation Requirements](#)

Program Requirements

- A total of ~~127~~ 127 semester hours are required for graduation.
- A grade of "C-" or better is required for each course in this program to count toward the bachelor's degree. Students should note that programs differ in the minimum grade required.
- A minor is not required for this program.

General Studies Requirements: 33 credits

Students should consult the General Studies Requirements for a list of courses that fulfill the General Studies Requirements for degree completion.

Written Communication (6 credits)

Oral Communication (3 credits)

Quantitative Literacy (3 credits)

Recommended: MTH 1610 - Integrated Mathematics I. Using mathematics, students take a concept-oriented approach to exploring critical problems, deriving and justifying multiple solutions, and analyzing and communicating these responses.

Arts and Humanities (6 credits)

Historical (3 credits)

Natural and Physical Sciences (6 credits)

Social and Behavioral Sciences (6 credits)

Strongly Recommended: EDS 3150 - Issues in Multicultural Education in Urban Secondary Schools. This course is a corequisite to MUS 3351 - Supervised Field Experience in General Music.

Recommended: PSY 1800 - Developmental Educational Psychology. Students are introduced to developmental psychology that supports learning.

Global Diversity (0 or 3 credits**)

*** Students will fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; natural and physical sciences; or social and behavioral sciences.*

Multicultural Requirement: 0 or 3 credits

Students should consult the Multicultural Graduation Requirements for a list of courses that fulfill the Multicultural Requirement for degree completion.

Many programs include courses that meet this requirement. Students should consult with their advisor to determine what program courses may fulfill this requirement.

Core Requirements: 32 credits

The following courses are required for all music majors:

MUS 0020 - Recital Attendance **Credits:** 0 (two semesters)*

MUS 1110 - Music Theory I **Credits:** 3

MUS 1120 - Music Theory Lab I **Credits:** 1

MUS 1130 - Music Theory II **Credits:** 3

MUS 1140 - Music Theory Lab II **Credits:** 1

MUS 161B - Class Piano I **Credits:** 1 **

MUS 162B - Class Piano II **Credits:** 1 **

MUS 1710 - Private Instruction I **Credits:** 2 (primary performance area)

MUS 1720 - Private Instruction II **Credits:** 2 (primary performance area)

MUS 2110 - Music Theory III **Credits:** 3

MUS 2120 - Music Theory Lab III **Credits:** 1

MUS 2130 - Music Theory IV **Credits:** 3

MUS 2140 - Music Theory Lab IV **Credits:** 1

MUS 3050 - Musics of the World **Credits:** 3

MUS 3210 - Western Music History I **Credits:** 3

MUS 3220 - Western Music History II **Credits:** 3

Select one credit hour from the following options:

MUS 3818 - Mariachi Ensemble **Credits:** 1

MUS 3834 - Gamelan Ensemble **Credits:** 1

MUS 3835 - African Drum and Dance Ensemble **Credits:** 1

Students must enroll in MUS 3818: Mariachi Ensemble, MUS 3834: Gamelan Ensemble, or MUS 3835: African Drum and Dance Ensemble to meet this requirement.

**Students must enroll during each semester of individual instruction and complete the requirement with a "Satisfactory" grade to be eligible to continue to enroll in individual instruction.*

***Students whose primary instrument is piano must substitute MUS 261B and 262B, Class Piano III and IV, for MUS 161B and 162B, Class Piano I and II, in the core requirements listed above. These students will not be required to take any additional piano courses.*

Specific Degree Requirements: 41 credits

MUS 0020 - Recital Attendance **Credits:** 0 (four additional semesters)*

MUS 2340 - Foundations of Music Education **Credits:** 2

MUS 261B - Class Piano III **Credits:** 1

MUS 262B - Class Piano IV **Credits:** 1

MUS 2710 - Private Instruction III **Credits:** 2 (Primary Performance Area)

MUS 2720 - Private Instruction IV **Credits:** 2 (Primary Performance Area)

MUS 3250 - Basic Vocal Pedagogy and Diction **Credits:** 2

MUS 3350 - Teaching General Music **Credits:** 2 **

MUS 3351 - Supervised Field Experience in General Music **Credits:** 1 **

MUS 3360 - Instruments in General Music **Credits:** 1

MUS 3390 - The Inclusive Music Classroom **Credits:** 2

MUS 3510 - Basic Conducting **Credits:** 2

MUS 3540 - Advanced Conducting **Credits:** 2

MUS 3710 - Private Instruction V **Credits:** 2 (Primary Performance Area)

MUS 3720 - Private Instruction VI **Credits:** 2 (Primary Performance Area)

MUS 4360 - Teaching Secondary Music I **Credits:** 2 ***

MUS 4361 - Supervised Field Experience in Secondary Music I **Credits:** 1 ***

MUS 4370 - Teaching Secondary Music II **Credits:** 2 ****

MUS 4371 - Supervised Field Experience in Secondary Music II **Credits:** 1 ****

MUS 4440 - Contemporary Music Education Practices **Credits:** 1

CLD 3510 - Perspectives in Education for Culturally and Linguistically Diverse Learners **Credits:** 3

Notes:

**Students must enroll during each semester of individual instruction, and complete the requirement with a "Satisfactory" grade in order to be eligible to continue to enroll in individual instruction.*

***MUS 3350, MUS 3351, and CLD 3510 must be taken concurrently.*

****MUS 4360 and MUS 4361 must be taken concurrently.*

*****MUS 4370 and MUS 4371 must be taken concurrently.*

Take 4 of the following courses: 4 credits

MUS 162A - Class Voice II **Credits: 1**

MUS 2660 - Electronic Music Composition **Credits: 1**

MUS 3410 - String Techniques and Pedagogy **Credits: 1**

MUS 3420 - Guitar Techniques and Pedagogy **Credits: 1**

MUS 3430 - Woodwind Techniques and Pedagogy **Credits: 1**

MUS 3450 - Brass Techniques and Pedagogy **Credits: 1**

MUS 3460 - Percussion Techniques and Pedagogy **Credits: 1**

MUS 3640 - Improvisation **Credits: 1**

Ensembles: 8 credits

Students must enroll in the major ensemble according to their primary performance area during each semester of private instruction and must complete the requirement with a grade of "C-" or better to remain eligible to continue to enroll in private instruction.

Ensembles: Primary Instrument in Jazz

Select five credit hours from the following options:

MUS 3828 - Jazz Ensemble **Credits: 1**

MUS 3829 - Jazz Combo **Credits: 1**

MUS 3828: Jazz Ensemble and MUS 3829: Jazz Chamber Music requires an audition.

Select one credit hour from the following:

MUS 3816 - Early Music Ensemble **Credits: 1**

MUS 3819 - Chamber Music **Credits: 1**

MUS 3830 - Guitar Ensemble **Credits: 1**

MUS 3831 - Percussion Chamber Ensemble **Credits: 1**

MUS 3830: Guitar Ensemble and MUS 3831: Percussion Chamber Music requires an audition.

Ensembles: Primary Instrument in Woodwinds, Brass, or Percussion

Select five hours from the following:

MUS 3824 - Symphonic Band **Credits:** 1

MUS 3825 - Wind Ensemble **Credits:** 1

MUS 3825: Wind Ensemble requires an audition.

One hour:

MUS 3819 - Chamber Music **Credits:** 1

Ensembles: Primary Instrument in Piano, Organ, or Classical Guitar

Select five hours from the following:

MUS 3820 - Chorale **Credits:** 1

MUS 3821 - University Treble Choir **Credits:** 1

MUS 3822 - University Basso Choir **Credits:** 1

MUS 3823 - Auraria Choir **Credits:** 1

MUS 3830 - Guitar Ensemble **Credits:** 1

MUS 3832 - Collaborative Piano **Credits:** 1

MUS 3820: Chorale, MUS 3830: Guitar Ensemble, and MUS: 3832 Collaborative Piano require an audition. MUS 3821: University Treble Choir and MUS 3822: University Basso Choir require choral experience.

One hour:

MUS 3819 - Chamber Music **Credits:** 1

Ensembles are assigned by the Director of Music Education

Ensembles: Primary Instrument in Strings

Choose five hours from the following:

MUS 3817 - String Sinfonietta **Credits:** 1

MUS 3827 - Symphony Orchestra **Credits:** 1

MUS 3827: Symphony Orchestra requires an audition.

One hour:

MUS 3819 - Chamber Music **Credits:** 1

Ensembles: Primary Instrument in Voice

Choose five hours from the following:

MUS 3820 - Chorale **Credits:** 1

MUS 3821 - University Treble Choir **Credits:** 1

MUS 3822 - University Basso Choir **Credits:** 1

MUS 3820: Choral requires an audition. MUS 3821: University Treble Choir and MUS 3822: University Basso Choir requires choral experience.

One hour:

MUS 3819 - Chamber Music **Credits:** 1

Take 2 of the following ensembles:

MUS 3817 - String Sinfonietta **Credits:** 1

MUS 3823 - Auraria Choir **Credits:** 1

MUS 3826 - Secondary Instrument Band **Credits:** 1

Senior Experience: 12 credits

MUS 4971 - Student Teaching and Seminar: Elementary (K-6) **Credits:** 6

MUS 4972 - Student Teaching and Seminar: Secondary (7-12) **Credits:** 6

Summary of Requirements

General Studies Requirements	33 credits
Multicultural Requirement	0-3 credits
Core Requirements	32 credits
Specific Degree Requirements	41 37 credits
4 selected courses	4 credits
Ensembles	8 credits
Senior Experience	12 credits
Total for the Music Education Major, B.M.E.	127 126 credits

Required courses for the major may also count for General Studies and Multicultural requirements, so the total credits listed may be greater than the number required to complete the degree. Therefore, it is important that you work with your advisor to make sure you are meeting requirements for your degree.

Up to 3 of the 33 General Studies credits in this program may be fulfilled through requirements for the degree.

Course Descriptions (Undergraduate)

M=Course Modification

N=New Course

C=Conversion to Regular Course

(M) AAS 3980 - Internship in Africana Studies

Credits: 1-15

Prerequisite(s): AAS 1010

Description: This internship places students in corporate, private non-profit, and/or community-based agencies that serve Black and African Diaspora communities. A written contract between the student, site supervisor, **Applied Learning Center the Classroom to Career (C2) Hub**, and department chair is required. Internship activities may include developing skills in problem solving, program development, grant writing and group leadership.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) ACC 3980 - Internship in Accounting

Credits: 1-15

Prerequisite(s): Major in accounting; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) AES 3980 - Internship in Aviation and Aerospace Science

Credits: 1-15

Prerequisite(s): Major in aviation management or aviation technology; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) AMS 3980 - Industry Internship

Credits: 1-15

Prerequisite(s): Major in AMS; Junior or Senior status; permission of instructor

Description: Students will have an opportunity to gain work experience under the guidance of an industry professional. Students must complete a minimum of 45 clock hours per credit hour during the semester in a placement relevant to their selected AMS concentration. All internship students will also be required to prepare weekly internship reports, complete a self-evaluation survey and a reflective paper at the completion of the placement.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: This course is variable credit and may be repeated for up to 15 credit hours.

(M) ANT 3375 - ~~Food Cultures~~Food and Culture

Credits: 3

Description: This course is an exploration of how food procurement, dietary practices, ideologies of consumption, and food celebrations across cultures are related to varying environments, subsistence strategies, moral sensibilities, socioeconomic and political conditions, social identities, and social hierarchies. Using an anthropological approach, students examine how the ideological, emotional, symbolic, aesthetic, and social value of food and its marketing varies across cultures. In addition, course materials introduce students to the politics and social movements revolving around ethical food procurement and food as a human right.

Note: Credit will be granted for only one prefix: ANT or NUT.

General Studies: Social and Behavioral Sciences, Global Diversity

Cross Listed Course(s): NUT 3375

(M) ART 3980 - Internship in Art

Credits: 1-15

Prerequisite(s): Major in art; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) ARTH 3980 - Internship in Art History

Credits: 1-15

Prerequisite(s): Major in Art or Art History; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) BIO 3980 - Internship in Biology

Credits: 1-4

Prerequisite(s): Department approval required for registration

Description: Students engage in an on- or off-campus internship experience that applies biological principles to practical experiences in professional settings, e.g., laboratory, clinical, museum, fieldwork, etc. Internships provide practical, hands-on experience in science and are supervised by a Biology Department faculty member. Internship placements must be established prior to enrollment in this course in consultation with the supervising faculty member and the university internship program.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: A maximum of 4 credits of teaching assistant/independent study/internships/practicum/undergraduate research may be applied toward a major or minor in Biology.

(M) CDES 3980 - Communication Design Junior Internship

Credits: 1-4

Prerequisite(s): At least sophomore standing; cumulative MSU Denver GPA of 2.5 or higher; and CDES 3215 with a "C-" or better; or permission of department

Description: Students in this junior-level communication design internship gain "real world" experience in the discipline of design, building upon knowledge gained in the classroom. This course functions as an elective and can be a supportive precursor to the required, senior-level internship, CDES 4625.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable credit; course may be repeated for a maximum of twelve total credit hours. Repeated experiences must either be at different employer or with significantly different tasks. Fieldwork requires a minimum of 50 contact hours for each semester credit hour.

(M) CET 3980 - Internship in Civil Engineering Technology

Credits: 1-15

Prerequisite(s): Major in civil engineering technology; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit

(M) CFI 3980 - Internship in Entrepreneurship

Credits: 1-15

Prerequisite(s): Minor in entrepreneurship; junior or senior status; permission of instructor

Description: This course provides an internship experience in a for-profit or non-profit enterprise supervised by professionals with on-the-job experience in the field of entrepreneurship.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) CHE 3980 - Internship in Chemistry

Credits: 1-15

Prerequisite(s): Major in chemistry; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) CHS 3980 - Internship in Chicana and Chicano Studies

Credits: 1-15

Prerequisite(s): Major in Chicano studies; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) CIS 3980 - Internship in Computer Information Systems

Credits: 1-15

Prerequisite(s): Major in computer information systems (with 15 credit hours of CIS coursework completed toward the major); junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) CJC 3980 - Internship in Criminal Justice and Criminology

Credits: 1-6

Prerequisite(s): Major in Criminal Justice and Criminology or Cybersecurity; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit and students may repeat the course for a total of 6 credit hours.

Credit will be granted for only one prefix

Cross Listed Course(s): CYB 3980

(M) COMM 3980 - Internship in Communication Studies

Credits: 1-6

Prerequisite(s): COMM 1010 and Instructor Approval

Description: This course provides students an internship experience working in any one of a broad range of jobs and careers. Student interns' positions and experiences develop communication skills and aptitudes in real-world occupational and organizational settings. Student interns work with both site supervisors and faculty mentors.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu.~~ Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

(M) CPE 3980 - Internship in Computer Engineering

Credits: 2

Prerequisite(s): Major in Computer Engineering; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~Note: Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu.~~ Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit

(M) CS 3700 - ~~Computer Networks~~ Networking and Distributed Computing

Credits: 4

Prerequisite(s): CS 1400 and CS 2050 ~~both~~ with grades of "C-" or better, or permission of instructor

Description: ~~This course provides a comprehensive study of computer networks, from the physical aspects to the high-level application protocols with which most people interact. The software that provides the communication is emphasized. The methods for creating connections, making sure they are error-free and in order, performing routing, and creating client/server interactions are discussed.~~ This course covers the design, implementation, operation, and use of computer networks, with an emphasis on the most used protocols at the application, transport, and network layers. Aspects related to distributed applications and architectures are also discussed in detail.

(N) CS 3755 - Computer Security Offense and Defense

Credits: 4

Prerequisite(s): CS 3700 with “C-“ or better, or permission of instructor

Description: This course covers the basics of performing vulnerability assessments for networks, computers, and programs. Coverage includes reconnaissance and exploitation tools, injections, weak passwords and authentication, and memory corruption techniques. The course also covers defense techniques including firewalls, intrusion detection/prevention systems, log analysis, event correlation, and security information and event management. The course addresses how programs are compromised via buffer overflows and heap corruption, along with techniques to counter those attacks.

(M) CS 3980 - Internship in Computer Science

Credits: 1-15

Prerequisite(s): Major in Computer Science; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit

(M) CYB 3980 - Internship in Criminal Justice and Criminology

Credits: 1-6

Prerequisite(s): Major in Criminal Justice and Criminology or Cybersecurity; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit and students may repeat the course for a total of 6 credit hours.

Credit will be granted for only one prefix

Cross Listed Course(s): CJC 3980

(M) DANC 3980 - Internship for Dance

Credits: 3-9

Prerequisite(s): Minimum of 10 credits in dance and consent of instructor

Description: The internship is an applied experience with a dance organization, providing students with opportunities to utilize acquired dance knowledge and skills in a non-class setting.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

(M) ECO 3980 - Internship in Economics

Credits: 1-15

Prerequisite(s): Major in Economics; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career

(C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit

(M) EET 3980 - Internship in Electrical Engineering Technology

Credits: 2

Prerequisite(s): Major in Electrical Engineering Technology; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~*Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.*~~

Note: This course is repeatable for a maximum of four semester hours.

(N) ENG 3810 - Creative Writing Journal

Credits: 2

Prerequisite(s): ENG 2500 and ENG 3521 or ENG 3522 or ENG 3523 or permission of instructor

Description: Students in this course participate in every aspect of the conception, development, and publication of a volume of The MSU Roadrunner Review, an online literary journal, focused on showcasing creative work, such as fiction, poetry, and creative nonfiction. As a collaborative unit, students create the identity of the volume; develop appropriate guidelines and criteria associated with a call for creative submissions; invite submissions; review those submissions; respond to those submissions; offer editorial input on accepted and/or provisionally accepted creative materials; finalize the order of presentation for accepted work; and, finally, launch an edition of the journal.

(M) ENG 3980 - Internship in English

Credits: 1-15

Prerequisite(s): Major in English; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~*Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.*~~

Note: Variable Credit

(M) ENV 3980 - Internship in Environmental Science

Credits: 1-15

Prerequisite(s): Major in Environmental Science; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~*Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.*~~

Note: Variable Credit

(M) EVE 3980 - Internship in Environmental Engineering

Credits: 3

Prerequisite(s): EVE major, permission of instructor, Junior or Senior standing

Description: Internships provide experiential learning opportunities through practical, hands-on experiences in a professional field related to environmental engineering, and are supervised by a faculty member from the major's department, in conjunction with an industrial advisor. Internship placements must be established in consultation with university's internship office prior to enrollment in this course.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

(M) FER 3911 - Cultural Competence for First Responders

Credits: 3

Prerequisite(s): Completion of General Studies Written Communication and Quantitative Literacy Requirements; ~~FER 3430~~

Description: Students in this course examine first responder roles in society in relation to social power, class structure, ecological patterns, subcultural developments, and processes of change in the community and in the larger culture. Culture is examined in order to comprehend the interaction between subcultures in the larger society, as well as develop an understanding of cultural competence applications for first responders. Students in this course evaluate the ambivalence in the social processes of first responders, and the challenges inherent in the profession.

Note: Some sections of this course may be taught as Service Learning.

(M) FER 3980 - Internship: Fire and Emergency Response

Credits: 1-6

Description: Students in this course gain an internship experience in a fire and/or emergency services management setting where students are able to use the skills learned in the classroom in a supervised, professional realm. Students work as fire and emergency management practitioners in a variety of public and private outlets.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: This course is repeatable up to 6 semester hours.

(M) FER 4220 - Fire Dynamics

Credits: 3

Prerequisite(s): ~~Meets General Studies requirement for written communication~~ ENG 1009 or ENG 1010 and ENG 1020 or ENG 1021

Prerequisite(s) or Corequisite(s): FER 3140

Description: In this course, students examine the principles of fire and combustion, including the chemistry and physics of fire, ignition, flame spread and smoke movement related to fire compartments. Students apply instruction to fire service, other fire safety practitioners, which includes special hazards, mathematical fire modeling and explosions.

Note: Some sections of this course may be taught as Service Learning.

(M) FER 4310 - Fire Protection Structures and Systems

Credits: 3

Prerequisite(s): Meets General Studies requirement for written communication

Prerequisite(s) or Corequisite(s): FER 3140

Description: Students examine the underlying principles involved in structural fire protections systems, building furnishings, and fire protection systems, including water-based fire suppression systems, fire alarm and detection systems,

special hazard suppression systems, and smoke management systems.

Note: Some sections of this course may be taught as Service Learning.

(M) FER 4510 - Managerial Issues in Hazardous Materials

Credits: 3

Prerequisite(s): Meets General Studies requirements for Written Communication and Quantitative Literacy

Prerequisite(s) or Corequisite(s): FER 3140

Description: In this course, students analyze current issues in management of a department-wide hazardous materials program and explain issues that are pertinent to officers and managers in public safety departments, including regulations and requirements for hazardous materials preparedness, response, storage, transportation, handling and use, and the emergency response to terrorism threat/incident. Other class topics include state, local, and federal emergency response planning, personnel and training, and operational considerations, such as determining strategic goals and tactical objectives.

Note: Some sections of this course may be taught as Service Learning.

(M) FER 4610 - Disaster Planning and Control

Credits: 3

Prerequisite(s): Meets General Studies requirement for written communication and quantitative literacy.

Prerequisite(s) or Corequisite(s): FER 3140

Description: Students examine concepts and principles of community risk assessment, planning, and response to fires, natural and man-made disasters, including National Institute Management System (NIMS) and Incident Command System (ICS), mutual aid and automatic response, training and preparedness, communications, civil disturbances, terrorist threats/incidents, hazardous materials planning, mass casualty incidents, earthquake preparedness, and disaster mitigation and recovery.

Note: Credit will be granted for only one prefix: FER or HCM.

Some sections of this course may be taught as Service Learning.

University Requirement(s): Senior Experience

Cross Listed Course(s): HCM 4161

(M) FIN 3980 - Internship in Finance

Credits: 1-15

Prerequisite(s): Major in Finance; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit

(M) GWS 4240 - ~~Women and Violence~~ Gender and Violence

Credits: 3

Prerequisite(s): GWS 1001 or CJC 1010 or PSC 1020 or SOC 1010 or permission of instructor

Description: ~~Students analyze key patterns and trends in violence perpetrated by and against women, with special focus on the diverse experiences of women in the United States. Students will investigate historical, contemporary, sociopolitical, and cross-cultural patterns in causal factors, perpetuation, prevention, intervention and treatment relative to~~

~~violence and women. Topics will include sexual violence, domestic violence, family violence, cyber violence, women in prison, women on death row, and women as victims of violence, among others.~~ Students analyze key patterns and structures of gender and sexual violence, with a special focus on the diverse experiences of women, queers and gender-variant people. Students draw from disciplines such as queer/trans theory and transnational feminism to illuminate iterations of and resistance to gender-based violence, including how ‘safety’ and ‘precarity’ are distributed unevenly across groups due to various social formations. Topics in this course include sexual violence, interpersonal violence, family violence, trafficking, state violence (including carceral, medical and military violence), among others.

Note: Credit will be granted for only one prefix: CJC, GWS, PSC, or SOC.

Cross Listed Course(s): CJC 4240, PSC 4240, SOC 4240

(M) HCM 3980 - Internship in Health Care Management

Credits: 1-15

Prerequisite(s): Major in Health Care Management; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu.~~ Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit

(M) HIS 3980 - Internship in History

Credits: 1-15

Prerequisite(s): Major in History; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the Applied Learning Center.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu.~~ Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit

(M) HLDL 3980 - Internship in Hospitality

Credits: 3

Description: This course facilitates a student's integration of the theoretical framework of their education into the hospitality industry. Students will rotate through multiple departments while learning how leaders engage in a variety of managerial responsibilities. Students will participate in a minimum of 150 internship hours in a paid, approved internship, in addition to course participation.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

(M) HPS 3980 - Internship in Human Performance and Sport

Credits: 1-15

Prerequisite(s): Major in Human Performance and Sport; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the ~~Applied Learning Center~~ Classroom to Career (C2) Hub.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit

(M) HSP 3980 - Internship in Human Services

Credits: 1-15

Prerequisite(s): Major in Human Services; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the ~~Applied Learning Center~~ Classroom to Career (C2) Hub.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) HTE 3980 - Internship in Hospitality, Tourism and Events

Credits: 1-15

Prerequisite(s): Permission of Department

Description: This internship requires specialized skills that students may apply in hospitality, tourism and events settings. A written learning contract between student, faculty supervisor, site supervisor, agency, and department chair is required. Activities include finding and working in an approved hospitality, tourism or events setting. Academic credit is determined according to a ratio of 50 clock hours worked as equivalent to 1 credit hour.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: This course is variable credit and may be repeated for up to 15 credit hours.

(M) IND 3980 - Elective Internship Experience

Credits: 1-3

Prerequisite(s): IND 2450

Description: This internship is designed to allow students to acquire additional work experience in the design profession. The experience must be supervised by a design professional in conjunction with an Industrial Design faculty member.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Students may take this course twice for a total of 6 credits.

(M) ITP 3980 - Internship in Integrative Therapeutic Practices

Credits: 1-15

Prerequisite(s): Permission of department

Description: This internship requires specialized skills that students may apply in educational or professional health care settings. A written learning contract between student, faculty supervisor, site supervisor, agency, and department chair is required. Activities include finding and working in an approved health care setting under the auspices of the office management or the clinical management. Academic credit is determined with 45 worked hours being equivalent to 1 credit. Therefore, 3 credits would be 135 worked hours, and 6 credits would be 270 worked hours.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by~~

department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

(M) JMP 3980 - Internship: Journalism and Media Production

Credits: 3

Prerequisite(s): JMP 2100 or JMP 2430 or JMP 2700

Description: This course gives students an internship experience at a mass media outlet, media production operation or public relations setting where students are able to use the skills learned in the classroom in a supervised, professional environment. Students work as writers, reporters, editors, videographers, public relations practitioners, convergent media specialists and photojournalists at newspapers, magazines, agencies, corporations, nonprofit entities and other media outlets.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

(M) MDL 3980 - Internship in Modern Languages

Credits: 1-15

Prerequisite(s): Major within the Modern Languages Department; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the ~~Applied Learning Center~~ Classroom to Career (C2) Hub.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) MET 3980 - Internship in Mechanical Engineering Technology

Credits: 1-15

Prerequisite(s): Major in Mechanical Engineering Technology; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the ~~Applied Learning Center~~ Classroom to Career (C2) Hub.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) MET 4100 - Senior Project I

Credits: 1

Prerequisite(s): CET 3135, and JMP 2610, ~~and MTH 2420~~ with grades of "C" or better; Senior Standing

Prerequisite(s) or Corequisite(s): MET 3070 or MET 3000, and EET 2000 with grades of "C" or better

Description: In this course, students are required to work on the planning and designing of a team project in consultation with faculty advisors and industry contacts.

University Requirement(s): Senior Experience

(M) MGT 3980 - Internship in Management

Credits: 1-15

Prerequisite(s): MGT 3000, plus two to three additional MGT courses; major in management; junior or senior status; and permission of instructor.

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the ~~Applied Learning Center~~ Classroom to Career (C2) Hub.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) MGT 4950 - Strategic Management

Credits: 3

Prerequisite(s): ACC 2010, ACC 2020, CIS 2010, CIS 3300, CIS 3320, FIN 3300, MGT 2210, MGT 3000, **BUS 1950** or MKT 2040, MKT 3000, and senior standing.

Prerequisite(s) or Corequisite(s): ACC4440 or BUS3040

Description: This course presents concepts used by managers to develop companies that can prosper in a competitive, global environment. Students are provided the opportunity to apply the concepts and theories of strategic management along with knowledge gained from business courses, general studies, and work experience to the operating and strategic changes faced by domestic and global organizations (Senior Experience). Some sections include a service learning (SL) component where students apply course concepts involving an actual business client and are required to reflect on their service learning experience.

Note: There may be a service learning component where students apply course concepts to an actual business setting and reflect on their service experiences.

Some sections of this course may be taught as Service Learning.

University Requirement(s): Senior Experience

(M) MKT 3980 - Internship in Marketing

Credits: 1-15

Prerequisite(s): Major or minor in Department of Marketing program; major in Global Business or International Business; junior standing; MKT 3000 or equivalent; 2.5 cumulative GPA; permission of instructor

Description: Internships provide practical, hands-on experience in a professional field related to marketing. The internship must be based on work that is new to the student and supervised by a marketing professional. Internship placements must be approved through the internship credit approval process. Once enrolled, internship coursework is supervised by a faculty member. Students will complete academic work that encourages reflection regarding the approved learning objectives for the internship.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable credit based on hours of work; 50 hours of work = 1 credit. Up to 6 credits (3 at a time) may be applied as marketing electives. Credits earned above 6 and up to 15 will count as general electives.

(C) MKT 4020 – ProSales Team

Credits: 3

Prerequisite(s): At least junior standing and approval of the faculty

Description: This course is designed for students interested in competing in sales events hosted by universities and organizations. Content will focus on sharpening selling skills and professionalism during business trips and events. Students are expected to compete in at least one event and prepare team members for other events. Events vary by semester and may require travel (costs such as flight/ground transportation and hotel accommodations are covered by the Center for Professional Selling).

(M) MTL 4690 Student Teaching and Seminar: Secondary 7-12

Prerequisite(s): completion of all mathematics course work and all teacher education course work required for licensure; department approval of all GPA requirements; completion of Application for Student Teaching

Description: This course is a 16-week, full-time field experience with a skilled mathematics mentor teacher, supervised by an "MTL mentor," the official college supervisor, in an accredited secondary school. Prospective teachers who enroll in this course will, with the close and continual support of the mentor-teacher, take on increasing responsibility for, and learn from, all aspects of the work of a full-time mathematics teacher. Prospective teachers and their mentors will participate in two Secondary Mathematics Lesson Studies (which, together, constitute the teacher work sample), and in regular seminars conducted by the MTL mentor and other members of the ~~Department of Mathematical and Computer Sciences~~. Department of Mathematics and Statistics.

(M) MTR 3710 Meteorology Internship

Credits: 1-6

Prerequisite(s): Registration with the ~~Applied Learning Center C2 Hub~~ Internship Program.

Description: This course provides an on-the-job internship experience with a meteorology-related company or agency. The experience must be done under qualified supervision and the auspices of an Earth and Atmospheric Sciences faculty member.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: This course may be repeated for up to 12 credits; the first enrollment must be a minimum of 3 credits.

(M) MUS 3980 - Internship in Music

Credits: 1-3

Prerequisite(s): Major in Music; permission of the instructor

Description: Supervised by a faculty member in the Department of Music, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the ~~Applied Learning Center~~ Classroom to Career (C2) Hub.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: This course may be taken for 1-3 credit hours. It may be taken for a maximum of 6 credit hours.

(M) NUR 4010 - Population Health Nursing I

Credits: 3

Prerequisite(s): NUR 3120, NUR 3160, NUR 3400, NUR 3770, NUR 3810, NUR 4040

Prerequisite(s) or Corequisite(s): NUR 4310

Description: ~~The focus of this course is to provide the practical clinical experience required for Population and Community Health Nursing. The learner applies theory from fields of public health, education, and nursing to population and community health nursing. Focus is placed on community assessment, QSEN, Magnet Status, and the American Association of Ambulatory Care Nurses—Nurse Sensitive Indicators to consider how to achieve quality care in the~~

~~community.~~ This course provides the tools to critically analyze the principles of health promotion and disease prevention in families, groups, communities, and, populations. Cultural diversity, ethics, legal and political responsibility of the nurse is discussed. The leadership roles of advocate, change agent, collaborator, resource person, and the teacher are emphasized. The learner applies theories and models from the fields of public health, education, and nursing to community health nursing. Focus is placed on epidemiology, communicable disease, and health risks across the lifespan.

(M) NURA 4110 - Medical Surgical Nursing Care II

Credits: 6

Prerequisite(s): ~~Admission to the ANO and successful completion of all prior courses in the established sequence NURA 3400, NURA 3500, NURA 3810~~

Description: This course expands on the concepts introduced in Medical Surgical Nursing Care I. Focus is on utilization of core knowledge and core competencies related to the care of adults with intermediate and complex alterations in health. Critical thinking skills are used to apply the nursing process to patient centered care. This course further develops the role of the nurse in providing medical surgical nursing care. Students have the opportunity to practice skills using simulation technology and in clinical practice settings.

(C) NUT 3000 – Nutrition: Past and Present

Credits: 3

Prerequisite(s): NUT 2040

Description: In this course, the science of nutrition is explored within a historical context. Students learn how ideas and practices related to food, nutrition, agriculture and food technology shift in different times and places, beginning with prehistoric times and continuing through the 20th century. This class examines how the concept of nutrition itself has changed over time and how those changes have affected what societies and individuals consume, and how this impacts nutrition-related disease trends seen in modern day.

(M) NUT 3375 - ~~Food Cultures~~ Food and Culture

Credits: 3

Description: This course is an exploration of how food procurement, dietary practices, ideologies of consumption, and food celebrations across cultures are related to varying environments, subsistence strategies, moral sensibilities, socioeconomic and political conditions, social identities, and social hierarchies. Using an anthropological approach, students examine how the ideological, emotional, symbolic, aesthetic, and social value of food and its marketing varies across cultures. In addition, course materials introduce students to the politics and social movements revolving around ethical food procurement and food as a human right.

Note: Credit will be granted for only one prefix: ANT or NUT.

General Studies: Social and Behavioral Sciences, Global Diversity

Cross Listed Course(s): ANT 3375

(M) NUT 3980 - Internship in Nutrition

Credits: 1-15

Prerequisite(s): Major in Human Nutrition-Dietetics; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the ~~Applied Learning Center~~ Classroom to Career (C2) Hub.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu.~~ Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit

(C) NUT 4000 – Nutrition and Public Health

Credits: 3

Description: This course concerns the nutritional status of individuals, families, households, communities, and populations. Topics covered include health and nutrition assessment, programs and resources, legislation, education, and program planning as they impact nutrition and public health.

(M) PSC 3980 - Internship in Political Science

Credits: 1-15

Prerequisite(s): Major in Political Science; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the ~~Applied Learning Center~~ Classroom to Career (C2) Hub.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: Variable Credit

(M) PSY 3980 - Internship in Psychology

Credits: 1-3

Prerequisite(s): PSY 1001; major or minor in psychology; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the ~~Applied Learning Center~~ Classroom to Career (C2) Hub.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.~~

Note: This course may be taken for 1-3 credits (serving 50 hours in internship for each credit). It may be taken up to three times for a maximum of 6 credit hours. Each time students complete an internship, they must participate in both the internship and the seminar.

(C) PUB 4020 – Peer Health Education- Field Experience

Credits: 3

Prerequisite(s): Approval of instructor

Description: In this course students work with the national Peer Health Exchange program to provide peer educational information in local High Schools. Students are responsible for facilitating classroom activities and discussions with High School Freshmen regarding sexual and behavioral health, substance abuse, mental health, and overall well-being. MSU Denver students provide information and resources to support skill development in High School students when making health behavior choices. The course includes training on health education curriculum and technical assistance provided by the course instructor along with support from the national Peer Health Exchange program.

(M) RECR 3980 - Internship in Recreation Professions

Credits: 1-15

Prerequisite(s): Major in Recreation Professions; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the ~~Applied Learning Center~~ Classroom to Career (C2) Hub.

~~Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by~~

department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit

(N) REL 3000 - Residential Property Management

Credits: 3

Prerequisite(s): FIN 3800 and junior standing

Description: In this course, students examine issues specific to residential property management, including long-term and short-term property rentals. In particular, students develop an approach to the profitable management of property subject to zoning and local area regulation of high turnover rentals, taxes, and compliance issues. Students explore best practices in record-keeping and Colorado trust account management. Finally, students learn how to assess and mitigate risk, particularly as applied to the mechanics of enforcement and notices and process of evictions.

(N) REL 3300 - Commercial Property Management and Leases

Credits: 3

Prerequisite(s): FIN 3800 and junior standing

Description: In this course, students explore and apply the terminology and concepts specific to commercial property management, such as capitalization rates, recovery and absorption, mixed use, zoning, anchor tenants, and common expense allocation, and other advanced management concerns. In addition, students analyze and discuss commercial leases.

(N) REL 3400 - Real Estate Technology

Credits: 3

Prerequisite(s): FIN 3800 and junior or senior standing

Description: In this course, students review, use, and discuss current real estate technology, including real estate-specific search engines, marketing software and practice management software. Students are introduced to ARGUS Enterprise and ARGUS Developer, and obtain hands-on experience with current software and research adjuncts.

(N) REL 4200 - Appraisal Principles, Procedures, and Ethics

Credits: 3

Prerequisite(s): FIN 3800 and junior standing

Description: Students explore the theoretical principles that underlie real estate appraisal methods, as well as practical application of appraisal concepts. Students examine the roles of ethics, impartiality, and general principles of the Uniform Standards of Professional Appraisal Practice (USPAP).

(M) SLHS 3980 - Internship in Speech, Language, and Hearing Sciences

Credits: 1-15

Prerequisite(s): Major in Speech, Language, and Hearing Sciences; junior or senior status; permission of instructor

Description: Supervised by a faculty member within the major department, internships provide practical, hands-on experience in a professional field related to the major. Internship placements must be established prior to enrollment in this course in consultation with the ~~Applied Learning Center~~ Classroom to Career (C2) Hub.

~~*Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.*~~

Note: Variable Credit

(M) SLHS 4300 - Senior Experience in Speech, Language, Hearing Sciences

Credits: 3

Prerequisite(s): SLHS 1500, SLHS 2100, SLHS 2530, SLHS 3200, SLHS 3300, SLHS 3530, and SLHS 3600

Prerequisite(s) or Corequisite(s): SLHS 4100, SLHS 4200, or SLHS ~~4600~~ 4610

Description: This course serves as a capstone experience for students majoring in Speech, Language, Hearing Sciences.

Students engage in an applied-learning experience in conjunction with an SLHS faculty member. The capstone concludes with submission of an original scholarly work and/or delivery of a comprehensive oral presentation to the SLHS department.

Note: Need to be at senior status; permission of instructor or department chair required to enroll.

Students must achieve a C or better to count towards the SLHS degree.

University Requirement(s): Senior Experience

(M) SSE 3980 - Internship in Sustainable Systems Engineering

Credits: 3

Prerequisite(s): SSE major, permission of instructor, Junior or Senior standing

Description: Internships provide experiential learning opportunities through practical, hands-on experiences in a professional field related to sustainable systems engineering, and are supervised by a faculty member from the major's department, in conjunction with an industrial advisor. Internship placements must be established in consultation with university's internship office prior to enrollment in this course.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact 303-615-1333 or internships@msudenver.edu.

(M) THE 2210 - Introduction to Theatre

Credits: 3

~~**Prerequisite(s):** ENG 1009 or ENG 1010 and satisfaction of the Oral Communication General Studies requirement or permission of department~~

Prerequisite(s) or Corequisite(s): ENG 1009 or ENG 1010 or permission of department

Description: This course presents a comprehensive survey of theatrical art providing an understanding of the living stage, its players and crafts, and its place as a cultural force from antiquity to contemporary times.

Note: Credit will be granted for only one prefix: THE or HON.

General Studies: Arts and Humanities

Guaranteed Transfer: GT-AH1

Cross Listed Course(s): HON 2211

(M) THE 3231 - Acting IV: ~~Styles of Acting~~ Mask Characterization

Credits: 3

Prerequisite(s): THE 2210, THE 2220, and THE 2230 ~~and THE 3230~~; or permission of department

~~**Description:** This course for advanced performers explores "half-mask" performance techniques including Chekhov, Fae, and Brecht acting styles.~~ This course for advanced performers explores character mask, neutral mask, half-mask and clowning. Mask characterization is the foundational tools in story-telling by communicating objectives, circumstances, and reactions through the body only.

(M) THE 3233 - Acting V: ~~Meisner Technique~~ Actor's Lab

Credits: 3

Prerequisite(s): THE 2220 and THE 2230; or permission of department

~~**Description:** This course explores the Sanford Meisner acting technique through improvisation, exercises, activities, monologues and scene work. The history of and contemporary applications of the technique will be incorporated with the focus of learning to live and behave truthfully in imaginary circumstances.~~ This course is the culminating class in the actor's journey. Students utilize all of their technique from previous shows and classes to focus on specific and intense scene work throughout the course. The focus of this class is learning to live and behave truthfully in imaginary circumstances.

(M) THE 3980 - Professional Internship: Theatre**Credits:** 1-15**Prerequisite(s):** Permission of department

Description: This internship requires specialized skills that students may apply in educational, amateur, community, or professional theatre arts and entertainment venues. A written learning contract between student, faculty supervisor, site supervisor, agency, and department chair is required. Activities include performance, various applied theatre technologies, and management.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Applied Learning Center at 303-615-1333 or internships@msudenver.edu. Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Note: Variable Credit

(M) UC 3980 – Internship**Credits:** 1-15**Prerequisite(s):** Permission of instructor

Description: Internships provide experiential learning opportunities to students through practical, hands-on experiences in a professional field related to the student's academic program(s) of study, and are supervised by a faculty member, in conjunction with an internship-site supervisor. Internships must be established following university procedures for credit.

Internship requirements vary by department. For information and instructions on finding and enrolling in an internship, contact the Classroom to Career (C2) Hub at c2hub@msudenver.edu.

Course Descriptions (Graduate)

(M) MBA 5505 - ~~Legal Analysis and Sustainability~~ Business Law and Ethics

Credits: 3

Description: This course focuses on current issues in business, law, and ethics to analyze the challenges and responsibilities of a business in meeting the interests of all stakeholders. The class emphasizes sustainable development and ethics with a focus on social, environmental, and economic resources and impacts within a legal framework at a state, federal and international level.

(N) NUT 5950 – Lactation Management

Credits: 3

Description: A clinical training course that provides 50 of the required 95 hours of lactation-specific education (including the 5 hour communication requirement) to become eligible for the International Board Certified Lactation Consultant exam. This course explores breastfeeding anatomy and physiology. Discusses common breastfeeding issues. Topics include anatomy of the breast, supporting the breastfeeding dyad, culturally informed breastfeeding support, and education in community and clinical settings. The course will be taught using competency-based learning and application of primary research.

(C) NUT 5970 – Clinical Skills for Breastfeeding Support

Credits: 3

Prerequisite(s): NUT 5950 or NUT 4950 or NUT 490E or NUT 590F or CLC/CLE course

Description: A clinical training course that provides 45 of the required 95 hours of lactation-specific education to become eligible for the International Board Certified Lactation Consultant exam. This course explores the principles and anthropology of human lactation, triage of breastfeeding problems, breastfeeding techniques, maternal and infant nutrition, and application of clinical breastfeeding support skills in real and simulated consultation scenarios. This dyad-focused information will prepare students to support breastfeeding in a variety of healthcare-related roles. This course will be taught using competency-based learning and application of primary research.

(N) NUT 5990 – Lactation Internship

Credits: 1-12

Prerequisite(s): NUT 4950/5950 and NUT 4970/5970

Description: The lactation internship will provide 42.5 hours of clinical lactation internship placement for each 1 credit. The clinical lactation placement will be in hospitals, WIC clinics, outpatient lactation support offices, private practice lactation support settings and virtual lactation support consultations. All student lactation internship placements will be conducted under the direct supervision of an International Board Certified Lactation Consultant (IBCLC) preceptor.