



CAREER ACADEMY

PROGRAMS, SCHEDULE, AND DESCRIPTIONS

2021-2022

MCC's Career Academy program is designed to provide high school juniors and seniors with opportunities to explore various career fields and get a jumpstart on their postsecondary education. MCC Career Academies increase student awareness in various career fields prior to high school graduation so more informed career choices can be made. Students gain practical skills for specific career areas, knowledge of safety procedures, job-seeking skills, interpersonal skills for the workplace, and exposure to a college environment while earning both high school and college credit.

Academies and Locations

Diesel Technology *Maximum 10 students*

- Fremont Contract Carriers, 865 Bud Blvd. Fremont, NE 68025

Criminal Justice - *Maximum 20 students*

Introduction to Health Care - *Maximum 18 students*

- Fremont Center (FRC), 9th & Broad St

Welding Technology - *Fremont High School Students only.*

- Fremont High School

Metropolitan Community College reserves the right to cancel or modify courses. Tuition for the 2021-2022 academic year is \$38 per credit hour (this cost is ½ of the standard MCC tuition rate of \$66.* per credit hour = \$33, plus \$5.00 facility fee = \$38). MCC's tuition and fees schedule is subject to change without prior notice and at the discretion of the MCC Board of Governors.

Nondiscrimination and Equal Opportunity Statement

Metropolitan Community College affirms a policy of equal education, employment opportunities and nondiscrimination in providing services to the public. To read our full discrimination policy statement visit mccneb.edu/nondiscrimination.



CALENDAR:

Students must abide by the MCC Calendar. This has special meaning for seniors since they may have to continue attending classes beyond their graduation date or beyond their last day of class at their high school.

Fall Quarter 2021 21/FA	Labor Day Recess/College closed Classes begin Classes end	September 6 September 7 November 22	Monday Tuesday Monday
Winter Quarter 2021 - 2022 21/WI	Thanksgiving Day Recess/College closed Classes begin Last class day before Holiday Recess Holiday Recess/College closed Classes resume Martin Luther King Recess/College closed Classes end	November 25 – 26 December 2 December 22 December 24 – January 2 January 3 January 17 February 28	Thursday Wednesday Monday Monday Monday
Spring Quarter 2022 21/SP	Classes begin Spring Recess/College closed Classes resume Classes end	March 10 April 16-17 April 18 May 25	Thursday Saturday- Sunday Monday Wednesday

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CRIMINAL JUSTICE - SENIORS ONLY

Fremont Center – 9th & Broad Streets

Year 1 Student 2021-2022

Dates	Course	Title	Credits	Times	Days
September – November, 2021					
	CRIM 1010	Introduction to Criminal Justice	4.5	1:25p-3:10p	T, Th
December 2021 – February, 2022					
	CRIM 2030	Police and Society	4.5	1:25p-3:10p	T, Th
March – May, 2022					
	CRIM 1020	Introduction to Corrections	4.5	1:25p-3:10p	T, Th
TOTAL CREDIT HOURS			13.5		

CRIM 1010* – Introduction to Criminal Justice This course is an overview of the history, development, and philosophies of crime control within a democratic society. It examines the criminal justice system with emphasis on the police, the prosecution and the defense, the courts and the correctional agencies.

CRIM 1020 – Introduction to Corrections This course outlines corrections as a systematic process, showing the evolving changes within institutional and community-based corrections. Topics include the history of corrections, the influence of social thought and philosophy on the development of corrections, the rights of the incarcerated inmate, and the duties of the correctional officer.

CRIM 2030 – Police and Society** *Prerequisite: CRIM 1010* This course examines the role of the police in relationship to the duties of law enforcement and their policing in a diverse society. Specific topics include key demographic trends related to the growth of multicultural communities. Also covered are key issues associated with immigration and how those issues affect law enforcement in their everyday job.

***Must pass with a C or better to continue.**

Books Needed: *Books are subject to change, dependent upon the course criteria and without prior notice.

Please go to Follett Bookstore’s web site at www.efollett.com start typing in Metropolitan Community College. For classes held at the South Campus select South Omaha; for classes held at the Sarpy Center select Sarpy; for classes held at the Applied Technology Center or Fort Campus select Omaha; for classes at the Elkhorn Campus or Fremont Center select Elkhorn.



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DIESEL TECHNOLOGY

Fremont Contract Carriers
865 Bud Blvd.
Fremont, NE 68025

Year 1 Student 2021-2022

Dates	Course	Title	Credits	Times	Days
July 19 – July 28, 2021 dates subject to change					
	DESL 0900	Basics of Diesel Mechanics	1.5	8:00a-11:25a	M- TH
July 29	Parent Night			6:00p-8:00p	
September – November, 2021					
	DESL 1000	Diesel Preventive Maintenance	4	11:30a-3:00p	T, TH
December, 2021 – February, 2022					
	DESL 1230	Diesel Engine Fundamentals	4	11:30a-3:00p	T, TH
March – May, 2022					
	DESL 1200	Fundamentals of Hydraulics	4	11:30a-3:00p	T, TH
TOTAL CREDIT HOURS			13.5		

- 1. Students are required to attend the two week summer session for screening into the fall program.**
- 2. Good attendance is required.**
- 3. Shirt(s) will be required; purchase ONLINE. (For 2020/2021 year, cost was \$12.00/shirt)**
- 4. Steel toed boots, gloves, and safety glasses are required.**

COURSE DESCRIPTIONS

DESL 0900 – Basics of Diesel Mechanics This class provides the student with an overview of the profession of diesel mechanics. In addition, it gives the beginning student hands-on experience with tasks designed to enhance mechanical ability, as well as the opportunity to explore the broad areas of a career in diesel technology.

DESL 1000 – Preventive Maintenance This course is the study of truck and equipment preventive maintenance and inspection. Focus will be emphasized in shop tools, equipment and practices to start a career in diesel technology.

DESL 1230 – Diesel Engine Fundamentals *DESL 1000 is a prerequisite and the student must earn a “C” or better.* This course is the study of diesel engine principles and component identification. Students will gain knowledge through lecture and entry-level hands-on engine assembly and disassembly.

DESL 1200 – Fundamentals of Hydraulics This course is the study of basic principles relating to hydraulic systems and component identification. Activities involving schematic usage and symbol identification enhance students' diagnostic skills.

Required Books: *Books are subject to change, dependent upon the course criteria and without prior notice.

All classes listed above need: CDX Medium/Heavy Duty Diesel System Textbook & Engine Textbook Bundle + 2yr. Online Access code. Bundle is used for ALL MCC Diesel courses.

ISBN Kit # 9781284152975 (Complete Kit available at our MCC bookstore only). **2018 cost \$582.95 + tax.**



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INTRODUCTION TO HEALTH CARE

Fremont Center – 9th & Broad Streets

Year 1 Student 2021

Dates	Course	Title	Credits	Times	Days
September – November, 2021					
	HIMS 1111	Healthcare Careers	4.5	7:30a - 9:00a	M,W
December 2021 – February, 2022					
	HIMS 1120	Medical Terminology I*	4.5	7:30a - 9:00a	M,W
March – May, 2022					
	HIMS 1130	Medical Terminology II*	4.5	7:30a - 9:00a	M,W
TOTAL CREDIT HOURS			13.5		

COURSE DESCRIPTION:

HIMS 1111 - Healthcare Careers

This course provides an overview of the healthcare field. Topics include healthcare delivery systems, history of healthcare, careers in healthcare, personal qualities of healthcare workers, principles of teamwork, time management, human growth and development, cultural diversity, safety issues, and computer technology in healthcare settings. Current issues in healthcare are addressed in order to enrich students' understanding and breadth of knowledge of the U.S. healthcare system and the roles and functions of various healthcare professionals.

HIMS 1120 Medical - Terminology I

This course assists students in establishing a solid foundation of medical terminology and abbreviations and introduces prefixes, suffixes, and word roots used in the language of medicine. The course emphasizes medical vocabulary as it applies to the anatomy, physiology, and pathology of the human body. Students study the functioning of the body systems, clinical/surgical procedures, and therapies and examine normal, pathological, clinical, and laboratory considerations in order to best prepare for entrance into the healthcare professions. The course also emphasizes correct spelling and pronunciation.

HIMS 1130 - Medical Terminology II

This course is a continuation of [HIMS 1120](#). It presents additional body systems, specialty medical areas, clinical procedures, laboratory tests, medical terms, and abbreviations. Students study practical applications with case reports, operative and diagnostic tests, and laboratory and x-ray reports. The course also emphasizes correct spelling and pronunciation.

Books Needed: *Books are subject to change, dependent upon the course criteria and without prior notice.

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WELDING TECHNOLOGY – Fremont High School

FREMONT HIGH SCHOOL STUDENTS ONLY

Year 1 Student 2021-2022

Dates	Course	Course Title	Credits	Times	Days
August – October 2021					
	WELD 1100	Industrial Cutting Processes	3	BLK 1/BLK2	M-F
October – November 2021					
	WELD 1200	Gas Metal Arc Welding (MIG) - Steel I	3	BLK 1/BLK2	M-F
November 2021 – February 2022					
	WELD 1500	SMAW (Stick) - Flat	3	BLK 1/BLK2	M-F
February – March 2022					
	WELD 2200	Gas Metal Arc Welding (MIG) - Steel II	3	BLK 1/BLK2	M-F
April – May 2022					
	WELD 2240	Flux—Cored Arc Welding I	3	BLK 1/BLK2	M-F
TOTAL CREDIT HOURS			15		

Block 1: 7:50 am - 9:18 am / Block 2: 9:25 am - 10:58 am

Tools and Materials: Students provide work boots and safety glasses. MCC will provide, on loan, most of the appropriate equipment and tools for each course. Students will be held responsible for lost and/or broken equipment and tools.

COURSE DESCRIPTIONS

WELD 1000 - Print Reading and Layout for Welders I This course focuses on print reading and basic drafting with major emphasis on print reading related to welding and fabrication.

WELD 1100 - Industrial Cutting Processes Students gain a working knowledge of oxy-fuel cutting (manual and machine), plasma cutting (manual and machine), and air carbon arc and plasma gouging.

WELD 1200 - Gas Metal Arc Welding (MIG) - Steel I This course uses the theory and techniques in basic gas metal arc welding to produce sound fillet welds and sound groove welds in both the flat and vertical positions. Students weld using short-circuit and spray modes of metal transfer.

WELD 2200 Gas Metal Arc Welding (MIG) - Steel II *Prerequisite: WELD 1200* This course is a continuation of GMAW - Steel I, including fillet and groove welds in the horizontal and overhead positions and the study of pulsed-spray transfer.

WELD 2240 - Flux-Cored Arc Welding I *Prerequisite: WELD 2200* This course covers gas-shielded and self-shielded flux-cored arc welding in the flat and vertical positions using semiautomatic equipment.

Books Needed: *Books are subject to change, dependent upon the course criteria and without prior notice.

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