

ADDENDUM

Addendum to 2020-2021 NMC Catalog

The information contained in this catalog addendum serves to update the Academic Catalog effective Fall 2020.

Course	Title	Effective Semester	Action
Art 191	Sculpture I	Spring 2021	New Course
AVF 141	Remote Pilot Flight	Spring 2021	Inactivated
AVF 211	Commercial Drone Operations	Spring 2021	Inactivated
AVF 241	Advanced Drone Operations	Spring 2021	Inactivated
AVF 261	Aerosonde Flight Training	Spring 2021	Inactivated
AVG 142	Remote Pilot Ground	Spring 2021	Inactivated
AVG 260	Aerosonde Ground Training	Spring 2021	Inactivated
CIT 135	Introduction to Programming Using Python	Spring 2021	New Course
MDK 444	Cargo Systems	Fall 2020	Inactivated
UAS 107	Remote Pilot Ground	Spring 2021	New Course
UAS 141	Remote Pilot Flight	Spring 2021	New Course
UAS 211	Commercial Drone Operations	Spring 2021	New Course
UAS 220	UAS Projects and Maintenance	Spring 2021	New Course
UAS 241	Advanced Drone Operations	Spring 2021	New Course
UAS 255	UAS Safety Management	Spring 2021	New Course
UAS 260	Aerosonde UAS Ground Training	Spring 2021	New Course
UAS 261	Aerosonde UAS Flight Training	Spring 2021	New Course

Amended Course Descriptions

Beginning Fall 2020

HAH 200 - Emergency Assessment & Intervention

Credit Hours: 3, Contact Hours: 4

Division: Health Occupations

A comprehensive study of the concepts and practices of first aid techniques. The course provides training for emergency care through assessment, critical thinking, implementation, documentation, and evaluation. It also addresses situations when injury or sudden illness becomes a threat to life, or problems develop that endanger physical or psychological well-being. *Certification for CPR for the Professional Rescuer and a certificate of completion for the Emergency Medical Responder course will be obtained by students following successful completion of the course.*

This is a standalone course and students that successfully complete the course will not be eligible to test with the State of Michigan or NREMT for certification at this time. Group 2 Course.

AMENDED COURSE PREREQUISITES

Beginning Fall 2020

AVF 232 - Commercial Flight II

Credit Hours: 3, Contact Hours: 3

Division: Aviation

A flight course structured to provide a dual and solo flight hours to partially fulfill the flight hour requirements for the FAA Commercial Pilot Certificate. This course will provide a review of VFR cross country navigation procedures and introduce the student to multi-engine flight. Course requires 35 flight hours, 3.0 hours of pre/post, and 27.8 hours of ground instruction. Hourly rates effective March 2018 are \$59/hour for single engine ground instruction and \$69/hour for multi-engine flight instruction and \$230/hour for the single aircraft and flight instructor and \$340/hour for the multi-engine aircraft and instructor. Group 2 course.

Required Prerequisites: AVF 230 (<https://catalog.nmc.edu/archives/2020-2021/search/?P=AVF%20230>) - *may be taken concurrently.*

Amended Program Requirements

Beginning Fall 2020

Engineering

The NMC engineering curriculum parallels engineering programs offered during the first two years at other colleges and universities. Traditionally, these first two years emphasize the tools and theories that provide background for all engineering fields. Completion of the certificate program requirements will prepare most students for transfer to a four-year engineering program.

Engineering Certificate - NMC Code 079

REQUIREMENTS:

CHM 150/L/R	General Chemistry I	5
CIT 110	Programming Logic and Design	3
MTH 141	Calculus I	5
MTH 142	Calculus II	5
MTH 241	Calculus III	5
MTH 251	Differential Equations	4
PHY 221/L/R	Problems and Principles of Physics I	5
PHY 222/L/R	Problems and Principles of Physics II	5
EGR 101	Introduction to Engineering	1
EGR 113	Engineering Graphics	3
EGR 201 *	Statics	3
EGR 221 *	Material Science	3
DD 170 #	CADD/Computer Modeling	(4)

NOTE: Additional Biology, Chemistry, or Computer Information Technology may be required – depending on the program of study.

Select from the following courses based on program choice. (2-24 credits)

EGR 131	Elementary Surveying	5
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EGR 202	Mechanics of Materials	
3		
EGR 203	Dynamics	4
EGR 211	Electrical Circuits	
3		
EGR 220	Engineering Practice I	
2		
EGR 232	Introductory Thermodynamics	
3		
ENV 111	Physical Geology	4

Total

47-72

** Not all programs require EGR 201 Statics and/or EGR 221 Material Science.*

See Program adviser for Institution / Program courses.

DD 170 may be substituted for EGR 113 – program dependent.

Students not prepared to begin with Calculus must start at an appropriate level of mathematics determined by placement test scores, or placement by the mathematics department faculty.

Manufacturing Technology, AAS Degree
Occupational Specialty Requirements

Division: Technical

The Manufacturing Technology AAS degree requires 39 Occupational Specialty credits, selected from the following courses:

DD 101, DD 110, DD 160, DD 170, MFG 104, MFG 111, MFG 113, MFG 114, MFG 203, MFG 217, MFG 219, MFG 290,

AND ELE 101, ELE 105, EET 102, EET 103, EET 161, EET 204, EET 221, EET 232, EET 233, EET 234, WPT 111, WPT 112, WPT 113, WPT 114, WPT 161, WPT 211, WPT 212, WPT 213, WPT 260