

MOC-Floyd Valley Course Offerings 2026-2027 School Year

NUM	Y/S	MATH	NUM	Y/S	FOREIGN LANGUAGE	NUM	Y/S	Computer Science
110	Y	Algebra I (9)	390	Y	Spanish I	175	Y	Comp Sci Princ (Alg I)
115	Y	Math Concepts & Support I	391	Y	Spanish II (Spanish I)	180	Y	Computer Sci App (Alg II)
120	Y	Geometry (9-10)	392	Y	Spanish III (Spanish II)	185	Y	Comp Sci Capstone (Alg II)
130	Y	Algebra II, Trig & Disc Math (10-12)	393	Y	Spanish IV (Spanish III)			
140	Y	Precalculus (11-12)				NUM	Y/S	BUSINESS EDUCATION
145	S1	Calculus Concepts	NUM	Y/S	VISUAL ARTS	450	S1/S2	Business Software
MAT210 S2		*NCC-Calculus I (Pre-Calc)	510	S1	Art I	460	S1/S2	Dutch Design I
MAT156 S1/S2		*NCC-Statistics (Alg II)	511	S2	Art II	461	S1/S2	Dutch Design II
NUM	Y/S	SCIENCE	520	S1	Drawing I	462	S1/S2	Dutch Design Studio
210	Y	Physical Science (9)	521	S2	Drawing II	463	S2	Graphic Design
220	Y	Biology (10)	530	S1	Painting I (Drawing I)	470	Y	Accounting I (10-12)
230	Y	Chemistry (11-12)	531	S2	Painting II	471	Y	Accounting II (Accounting I)
240	Y	Physics (11-12)	540	S1/S2	Ceramics I (11-12) (Art I)	480	S2	Business Management (11-12)
241	S1	Advanced Biology (12) (Chemistry)	541	S1/S2	Photography (Art I)	490	S1/S2	Pers Finance (11-12)
242	S2	Anatomy & Phys (11-12) (Chemistry)	542	S1/S2	Advanced Art Studio (Art I, Drawing, Painting)	NUM	Y/S	FAMILY & CONSUMER SCIENCE
231	Y	Applied Science I (11-12) (approved)	NUM	Y/S	FINE ARTS/MUSIC	670	Y	Skills for Living (9)
--		Approved Ag Courses	550	Q1	Marching Band (9-12)	674F	S1	Independent Living (10-12)
HSC172 S1/S2		NCC-Cert. Nurses Assistant (10-12)	551	Q234	Concert Band (9-10)	676S	S2	Parent & Child Dev (10-12)
NUM	Y/S	LANGUAGE ARTS	552	Q234	Symphonic Band (11-12)	680F	S1	Foods & Nutrition I (11-12)
310	Y	English I (9)	560	Y	Concert Choir	682S	S2	Foods & Nutrition II (11-12) (Foods I)
320	Y	Comp/American Lit (10)	570	Y	Orchestra	686F	S2	Creative Fashions (10-12) '27-28
330	Y	Comp/Oral Comm (11)	MUS100 S1		*NCC-Music Appr & History (10-12)	684S	S2	Housing (10-12) '26-27
340	Y	Comp/British Lit (12)	MUS102 S2		*NCC-Fund. of Music (10-12)	NUM	Y/S	INDUSTRIAL TECHNOLOGY
350	S2	Creative Writing (10-12)	NUM	Y/S	HEALTH/PHYS EDUCATION	700	S1	Intro to Industrial Tech (9-10)
351	S2	Lit & Wld Affairs-Eng (12)	600	F/S	Life Wellness PE (9-10)	701	S2	Intro to Manu (9-10)
SPC112 S1/S2		*NCC-Public Speaking (12)	605	F/S	Life Wellness PE (11-12)	710	S1	Intro to CAD/CAM (10-11)
352	S2	Shakespeare (10-12)	610	F/S	Personal Fitness PE (9-10)	711	S2	Computer Aided Manufacturing (10-11)
353	S1	Modern Takes in Literature (10-12)	615	F/S	Personal Fitness PE (11-12)	720	S1	Carpentry I (10-12)
354	S2	Literature and Film (10-12)	620	F/S	Dutch Power & Performance (9-12)	721	S2	Carpentry II (10-12)
NUM	Y/S	SOCIAL STUDIES	625	Y	Health I (9)	730	S1	Electricity and Electronics (10-12)
410	Y	World History (9)	630	Y	Health II (11)	731	S2	Automation Robotics in Manufacturing (10-12)
420	Y	American History (10)	NUM	Y/S	EDUCATION COURSES	740	S2	Maker Labs (11-12)
440	S1	Modern History (10-12)	EDU210 S1		*NCC-Foundations of Ed (12)	NUM	Y/S	AGRICULTURE EDUCATION
441	S2	Social Issues (10-12)	EDU150 S2		*NCC-Directed Observation (12)	750	S1	Intro to Ag, Food, Natural Resources
442	S1/S2	Behavioral Science (11-12)	NUM	Y/S	CAREER EDUCATION	755	S2	Ag Leadership
430	S1/S2	American Government (12)	WBL140 S1/S2		*NCC-CAPS	760	Y	Animal Science '26-27 (10-12)
443	S2	Lit & World Affairs-SS (12)	810	S1/S2	Extended Career Exp I (Approv)	761	S1	Natural Resources '27-28 (10-12)
444	S1/S2	Wld Cultures (10-12)	815	S1/S2	Extended Career Exp II (Approv)	762	S2	Crop Production '27-28 (10-12) (Natural Resources)
445	S2	Intro to Macro/Micro Economics (11-12)	830	S1/S2	Peer Tutor (Approv)	770	S1	Ag Mechanics (11-12)
					<i>Career experiences, registered apprenticeship programs, and peer tutoring are upon approval only.</i>	771	S2	Ag Mechanics II (11-12)
						780	S1	Adv Animal Science '27-28 (Animal Science)
						790	S2	Horticulture (9-12) '26-'27
						795	S1	Ag Management (11-12)

Mathematics – 6 credits

- Algebra I - 2 credits
- Geometry - 2 credits
- Algebra II - 2 credits

Science – 6 credits

- Physical Science - 2 credits
- Biology - 2 credits
- Chemistry – 2 credits
- OR
- Ag Pathway: Natural Resources, Crop Production, & Animal Science - 2 credits

Language Arts – 8 credits

- English I - 2 credits
- Composition/American Literature - 2 credits
- Composition/Oral Communication - 2 credits
- Composition/British Literature (Fall and/or Spring) - 1 or 2 credits
 - o OR Lit & World Affairs (Spring) - 1 credit

High School Graduation Requirements

Social Studies – 6 credits

- World History - 2 credits
- U.S. History - 2 credits
- American Government – 1 credit
- Electives - 1 credit

Career & Technical Education (CTE) - 3 credits

- Econ/Personal Finance – 1 credit
- OR
- Ag Pathway: Ag Management – 1 credit
- Electives - 2 credits (1 in at least two CTE groups)
- CTE Course groups include the following:
 - o Agriculture
 - o Business
 - o Family & Consumer Science
 - o Industrial Technology
 - o Computer Science
 - o Vocational

The Arts - 1 credit

- Band – ½ credit/semester; Choir – ½ credit/semester
- OR
- Art Electives

Physical Education & Health

- P.E. – ¼ credit per semester. Required each semester.
- Health - 2 credits
 - o 9th Grade – Health I - 1 credit
 - o 11th or 12th Grade – Health II -1 credit

General Electives - 10 credits

* All courses from any course group taken above and beyond the required number of credits will roll into general electives.

44 credits are required for graduation.



Concurrent Enrollment Course Offerings

- Concurrent Enrollment are courses delivered through a contractual agreement between MOC-FV and Northwest Iowa Community College.
- Concurrent Enrollment is open to all students in grades 9-12 free of charge. This includes textbooks and materials. Students would pay for textbooks if they would like to own the book.
- Students are allowed to take classes any way they choose, for example: online, in-person at MOCFV, in-person at NCC, and Career Academy.
- Students are not limited to the number of courses or credits they take per semester or year, except those set by NCC regarding full-time load.
- Postsecondary Enrollment Options (PSEO) are courses taken via an Iowa college or university when a course is not available through the district or contracted community college. PSEO is open to all students in grades 11-12 and identified GT students in grades 9 and 10.
- Students must demonstrate ISASP proficiency in English language arts, mathematics and science to participate in SYP programming. If not proficient in the ISASP, EdReady proficiency (80+) is required.

Course	College Credits	Notes/Pre-Requisites
ART-101 – Art Appreciation	3	
BIO-151 – Nutrition	3	
*EDU-210 – Foundations of Education (fall)	3	
*EDU-150 – Directed Observation (spring)	1	
ENG-105 – Composition I	3	EdReady score (80+) OR ACT Reading Score (17+)
ENG-106 – Composition II	3	pass ENG-105 before enrollment
HIS-110 – Western Civ: Ancient to Early Modern	3	
HIS-111 – Western Civ: Early Modern to Present	3	
HSC-114 – Medical Terminology	3	
*HSC-173-EN5 – Cert Nurse Aid (CNA)	3	Sophomore AND 15+ years old
*HSC-174 – Nurse Aid Clinical	1	Clinical must be completed within 6 months of HSC-173
*MAT-121 – College Algebra	4	1 Sem. of <i>Pre-Calc</i> (MOC-FV) AND EdReady (80+) OR ACT Math Score (22+)
*MAT-156 – Statistics	3	<i>Algebra II</i> (MOC-FV) AND EdReady (80+) OR ACT Math Score (17+)
*MAT-210 – Calculus I (spring)	4	<i>Pre-Calculus</i> (MOC-FV) AND EdReady score (85+) OR ACT Math Score (24+)
*MUS-100 – Music Appreciation (fall)	3	
*MUS-102 – Music Fundamentals (spring)	3	
PHI-101 – Introduction to Philosophy	3	
PHI-105 – Introduction to Ethics	3	
PSY-111 – Introduction to Psychology	3	
PSY-121 – Developmental Psychology	3	
SOC-110 – Introduction to Sociology	3	
*SPC-112 – Public Speaking	3	
WBL-140 – CAPS Solutions	3	

* designates in-person concurrent course

Career Academy Program Offerings

Students interested in any of the Career Academy programs listed below need to see Mrs. Koenig or Mr. Boone for more information and a detailed infographic for the program. If viewing online, please click the link for the detailed infographic.

- [Automotive Pathway](#)
- [Education Pathway](#)
- [Engineering Pathway](#)
- [Diesel Technology Pathway](#)
- [Healthcare Pathway](#)
- [IT Pathway](#)
- [Welding Pathway](#)