

Required Courses for Graduation

Due to variations in programs, students and parents must contact their preferred colleges to assure college entrance requirements are met.

02201B	Probability and Statistics
02203A	AP Statistics
02203B	AP Statistics
MAT110	Math for the Liberal Arts

Name: _____

Grade: _____ Date: _____

Language Arts 8 semester classes required for diploma

LA Grade 9 9th grade requirement (Two semesters required)

01001A	English 1
01001B	English 1
01001HA	Honors English 1
01001HB	Honors English 1

LA 10 10th grade requirement (Two semesters required)

01002A	English 2
01002B	English 2
01002HA	Honors English 2
01002HB	Honors English 2

Speech (Choose one)

011510	Speech
011511	Speech and Technology
01152	Forensic Speech - Inclusive 1

LA Composition 11th-12th grade : (One required)

01102	Written Communication
01102H	Advanced Writing
01006A	AP English Literature and Composition
01006B	AP English Literature and Composition

LA Literature 11th -12th grade : (One required)

01058	World Literature
01062	Contemporary Literature

LA Elective 11th -12th grade requirements (One elective required)

01104	Writers' Studio
010611	Power of Poetry
11101A	Intro to Yearbook Journalism
11101B	Yearbook Lab A
11101C	Yearbook Lab B
11101D	Digital Journalism
11101E	Newspaper Lab A
11101F	Newspaper Lab B
01006A	AP English Literature and Composition
01006B	AP English Literature and Composition
SPC112	Public Speaking
ENG105	Composition 1
ENG106	Composition 2
010610	Young Adult Literature

Mathematics – 6 semester classes required for diploma

One year of Algebra, one year of Geometry, and one year of Algebra 2 or Probability and Statistics

02052A	Algebra 1
02052B	Algebra 1
02052HA	Honors Algebra 1
02052HB	Honors Algebra 1
02055A	Math Literacy
02055B	Math Literacy
02056A	Algebra 2
02056B	Algebra 2
02056HA	Honors Algebra 2
02056HB	Honors Algebra 2
02069	Algebra Lab
02072A	Geometry
02072B	Geometry
02072HA	Honors Geometry
02072HB	Honors Geometry
02079	Geometry Lab
02102A	Discrete Mathematics
02102B	Discrete Mathematics
02110A	Pre-Calculus
02110B	Pre-Calculus
02124A	AP Calculus
02124B	AP Calculus
02201A	Probability and Statistics

Science: 6 semester classes required for diploma

SC 9th grade requirements (One semester of each)

03151	Physics
03051	Biology

SC 10th grade requirements (One semester of each)

03101	Chemistry
03008	Earth and Space Science

SC 11th grade requirement 11-12th grade electives

03003	Environmental Science
One science elective (see elective choices on the page 3)	

Social Studies 6 semester classes required for diploma

SS GEOGRAPHY (One required)

04004A	AP Human Geography
04004B	AP Human Geography
04064	World Studies

SS HISTORY (Two semesters required)

04103A	U.S. History
04103B	U.S. History
04104A	AP U.S. History
04104B	AP U.S. History

SS BEHAVIORAL SCIENCE 11th-12th grade (One required)

04254	Psychology
04256A	AP Psychology
04256B	AP Psychology
04258	Sociology

SS ECONOMICS 11th-12th grade (One required)

04201	Economics
04204A	AP Macroeconomics
04204B	AP Macroeconomics

SS POLITICAL SCIENCE 11th-12th grade (One required)

04151	U.S. Government
04157A	AP U.S. Government & Politics
04157B	AP U.S. Government & Politics

PE/Health 4 semesters of PE and 1 semester of Health

required for diploma (1 per year) Students may take up to 2 PE's per year, 1 counts as a PE, the other counts as an elective.

080010	Physical Education 9
080011	Physical Education
08004	Outdoor Education
080051	Extreme Fitness
08005A	Strength and Conditioning 1
08005B	Strength and Conditioning 2
08010	Lifeguarding
08051	Health Education 1
08001EB	Early Bird PE

AJROTC Army Leadership Education 1 semester replaces .5

credits PE

09051A	AJROTC Level 1 (two periods per day)
09051B	AJROTC Level 1 (two periods per day)
09052A	AJROTC Level 2 (two periods per day)
09052B	AJROTC Level 2 (two periods per day)
09053A	AJROTC Level 3 (two periods per day)
09053B	AJROTC Level 3 (two periods per day)
09054A	AJROTC Level 4 (two periods per day)
09054B	AJROTC Level 4 (two periods per day)

Financial Literacy course required for graduation (One required)

19262	Managing Personal Finance
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19259	Independent Living
04204A	AP Macroeconomics
04204B	AP Macroeconomics

ELECTIVES

World Languages

- ✓ 2 course levels required for most 4-year college entrance
- ✓ 3 to 4 course levels required for 4-year college degree
- ✓ Counted with Core Courses for RAI Score for Iowa State, U of Iowa, UNI

24052A	Spanish 1
24052B	Spanish 1
24053A	Spanish 2
24053B	Spanish 2
24054	Spanish 3 (2 periods)
24054A	Spanish 3
24054B	Spanish 3
24055A	Spanish 4
24055B	Spanish 4
25055	Spanish 4 (2 periods)
FLS241	Intermediate Spanish
FLS242	Intermediate Spanish
24064A	AP Spanish
24064B	AP Spanish
24102A	French 1
24102B	French 1
24103A	French 2
24103B	French 2
24104	French 3 (2 periods)
24104A	French 3
24104B	French 3
24105	French 4 (2 periods)
24105A	French 4
24105B	French 4 (2 periods)
241091	Modern French Civilization & Culture
24252A	German 1
24252B	German 1
24253A	German 2
24253B	German 2
24254	German 3 (2 periods)
24254A	German 3
24254B	German 3
24255	German 4 (2 periods)
24255A	German 4
24255B	German 4

Business Education

10004	Microsoft Office Applications
10204	Social Media Marketing
12021	Business Basics
12104	Principles of Accounting
19262	Managing Personal Finance
22106	Sports and Entertainment Seminar
ACC142	Financial Accounting
ACC146	Managerial Accounting
BUS102	Introduction to Business
BUS106	Employment Strategies
CIS161	C++
CIS169	C#
CIS171	Java
CIS251	Web Design
CIS450A	Computer Science Principles CIS450
CIS450B	Computer Science Principles CIS450
CSC110	Intro to Computers Skills
MKT140	Principles of Marketing MKT140
MGT170	Human Resource Management
BUS130	Introduction to Entrepreneurship BUS130

Exploring Teaching as a Career

EDU213	Introduction to Education
EDU213	Introduction to Education

Family & Consumer Sciences

16056	Fundamentals of Baking
19052A	Early Childhood Education I
19052B	Early Childhood Education II
19052C	Early Childhood Education III
192520	Foods
192521	Advanced Foods
192522	International Foods Europe & Africa
192523	International Foods Asia, South Amer. & the Caribbean
192550	Child Development and Parenting I
192551	Child Development and Parenting II
19259	Independent Living
19260	Interpersonal Dynamics
19263	Interior Housing and Design
22998	Industrial Coop Workplace Experience
HCM100	ProStart I/HCM 100
HCM212	ProStart II/HCM 212

Fine Arts – Music *(mark all that apply)*

05101	Band
05101	Band
05012A	Concert Band
05012B	Concert Band
05104	Orchestra
05104	Orchestra
051049A	Orchestra 9
051049B	Orchestra 9
05110A	Freshman Chorus
05110B	Freshman Chorus
051102A	Concert Chorale
051102B	Concert Chorale

Fine Arts – Theatre

05052A	Theatre I Fundamentals
05052B	Theatre II Advanced
05056A	Technical Theatre I
05056B	Technical Theatre II

Fine Arts – Visual

05115	Introduction to 2-D Art (Drawing and Painting)
05156	Drawing (2-D)
05157	Painting (2-D)
05158	Introduction to 3-D Art (Sculpture, Ceramics, Metals)
051581	Sculpture
05159	Ceramics
05162	Introduction to Digital Arts (Comp Graphics, Photo)
051621A	Computer Graphics & Design 1
051621B	Computer Graphics & Design 2
051622	Vocational Computer Graphics
051623	Motion Graphics/Video
05166	Jewelry & Metals
051670	Digital Photography
051671	Advanced Photography
051700	Art Portfolio
051701	Advanced Studio (3-D)
05174A	AP Studio Art 2-D
05174B	AP Studio Art 2-D

05175A	AP Studio Art 3-D
05175B	AP Studio Art 3-D

Creative Arts Academy

Communication Media

CAA05168	Camera and Lighting Fundamentals
CAA05197	Visual Art Independent Study
CAA05198	Visual Art Workplace Experience
CAA10203	Animation
CAA10205	Advanced 3D and Game Design
CAA11051A	Broadcast and Sound Fundamentals 1
CAA11051B	Broadcast and Sound Fundamentals 2

Visual Arts

CAA05154A	Illustration & Design 1
CAA05154B	Illustration & Design 2
CAA05156	Advanced Drawing
CAA05157	Advanced Painting

Music

CAA05107	Music Fundamentals & Piano
CAA05112	Group Voice
CAA05116A	Music in Our Lives 1
CAA05116B	Music in Our Lives 2
CAA05099A	History of the Musical in America 1
CAA05099B	History of the Musical in America 2

Theatre/Movement

CAA05099A	History of the Musical in America 1
CAA05099B	History of the Musical in America 2
CAA05055	Drama Character & Styles
CAA05059	History of Theatre

PE/Health Education Electives

08098	Practicum in Sports Medicine
141991	Health Occupations
14199A	Athletic Health 1
14199B	Athletic Health 2

Iowa Jobs for America's Graduates I-Jag *(not for college credit)*

IJAG1A	IJAG 1
IJAG1B	IJAG 1
IJAG2A	IJAG 2
IJAG2B	IJAG 2
IJAG3A	IJAG 3
IJAG3B	IJAG 3
IJAG4A	IJAG 4
IJAG4B	IJAG 4

Science Electives – general electives

03004	Astronomy & Geology
03006	Meteorology & Oceanography
03053	Anatomy & Physiology
03056A	AP Biology (2 periods semester 1)
03056B	AP Biology
03059	Genetics
030610	Zoology
03106A	AP Chemistry (2 periods semester 1)
03106B	AP Chemistry
03165A	AP Physics I
03165B	AP Physics I
03166A	AP Physics II
03166B	AP Physics II
03214	Forensics Science
BIO157	Human Biology
03101H	Honors Chemistry (2 periods)
03151H	Honors Physics (2 periods)

AVID

AVID9A	AVID 9
AVID9B	AVID 9
AVID10A	AVID 10
AVID10B	AVID 10
AVID11A	AVID 11
AVID11B	AVID 11
AVID12A	AVID 12
AVID12B	AVID 12

Social Studies Electives – general electives

04062	World Religions
04063A	Early Western Civilization
04063B	Modern Western Civilization
041060	Contemporary American Conflicts
041061	Contemporary Culture in the US
04204A	AP Macroeconomics
04204B	AP Macroeconomics
04256A	AP Psychology
04256B	AP Psychology
ECN130	Principles of Micro Economics
GEO121	World Regional Geography
GLS100	Contemporary World Issues

Student Council/Student Page Iowa Legislature

22013	Student Senate/Student Council
IowaPage	Student Page Iowa General Assembly

Talented & Gifted...Option 2 is 5th Block

TAG1A	TAG Option 1
TAG1B	TAG Option 1
TAG2A	TAG Option 2
TAG2A	TAG Option 2

Technology Education

130530	Metals, Materials, and Processes
13207	Advanced Welding
13208A	Basic Mig Welding
13208B	Basic Stick Welding
17001A	Construction Tech I
17001B	Construction Tech II
17001C	Construction Tech III
17006A	Wood Tech I
17006B	Wood Tech II
201040	Basic Auto
201041	Advanced Auto
CON170	Student Built Home
EGT400A	Introduction to Engineering Design
EGT400B	Introduction to Engineering Design
EGT410A	
EGT410B	Principles of Engineering
EGT420	Digital Electronics
EGT450	Computer Integrated Manufacturing
EGT460	Civil Engineering and Architecture Engineering Design and Development
EGT470	
MFG186	Voc Welding I (2 periods) @ West
WEL123	Voc Welding II (2 periods) @ West
AUT115	Auto Tech I (2 periods) @ West
AUT164	Auto Tech I (2 periods) @ West
20103	Know Your Car