

PPC

HOME OF THE MAROONS

Scheduling Guide

2018-2019



100% Transition Ready!

PULASKI COUNTY HIGH SCHOOL

Building a tradition of excellence one student at a time

Grade Progression

To be a Freshman	To be a Sophomore	To be a Junior	To be a Senior	To Graduate
Completion of 8th grade	Completion of one year of high school	Completion of two years of high school	Completion of three years of high school	30

Athletic Eligibility	after 1 year	after 2 years	after 3 years
Based on minimum KY graduation requirements (22)	5	10	16
As per KHSAA eligibility	20% of Requirements	45% of Requirements	70% of Requirements

Pulaski County High School Grading Scale

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	below 60%

GRADE POINT AVERAGE

Quality Points are used in calculating the GPA as follows:

A	4 points
B	3 points
C	2 points
D	1 point
F	0 points
P/F	not used in calculation of GPA

WEIGHTED GRADE POINT AVERAGE (ADVANCED PLACEMENT/DUAL CREDIT COURSES ONLY)

A	5 points
B	4 points
C	3 points
D	2 point
F	0 points

Pulaski County High School Course Listing 2018-2019

Agriculture Department

030715A Principles of Agriculture A
030715B Principles of Agriculture B
030711A Agriscience A
030711B Agriscience B
010241A Construction Skills A (Offered in odd years)
010241B Construction Skills B (Offered in odd years)
010252A Lutherie A
010252B Lutherie B
010252C Lutherie C
010212A Ag Power/Machine A
010212B Ag Power/Machine B
010211A Ag Structure/Design A (Offered in even years)
010211B Ag Structure/Design B (Offered in even years)
010641 Greenhouse Technology
020510 Equine Science (Offered in odd years)
010231 Small Power Equipment
020511 Veterinary Science (Offered in odd years)
030610 Forestry
020520 Aquaculture
010611 Introduction to Greenhouse and Crop Production
010131 Agribusiness/Farm Management
030611 Wildlife Resources
010110 Ag Communication
010631 Landscape/Turf Management (Offered in even years)
020501 Animal Science (Offered in even years)
[AGR100 Animal Science \(Dual Credit\)--online](#)
[AGR140 Plant and Land \(Dual Credit\)—online](#)

Arts/Humanities Department

500533 Musical Theatre
500710 Fundamentals of Art and Design
500712 Drawing/Painting
500713 Sculpting
500615 Digital Art
500925 (T1, T2, T3) Concert Choir
500926 (T1, T2, T3) Chamber Choir
500926W (T1, T2, T3) Adv Women's Choir
500913 (T1, T2, T3) Band
500111A Arts/Humanities A
500111B Arts/Humanities B
500111C Crafts/Instruments through Time
[MUS Music \(Dual Credit\)](#)

Business/Marketing/Technology Department

060111A Business Principles A
060111B Business Principles B
060155 Business Communications (Offered in even years)
060112A Digital Literacy A (formerly Computer Applications)
060112B Digital Literacy B (formerly Computer Applications)
110101A Computer Software/Hardware Maintenance A
110101B Computer Software/Hardware Maintenance B
060121A Business Law A
060121B Business Law B
080310 Entrepreneurship
060411A Business Management A
060411B Business Management B
060122A Accounting 1A
060122B Accounting 1B
070122A Accounting 2A
070122B Accounting 2B
060311A Financial Services 1A
060311B Financial Services 1B
060171 Financial Literacy

070743A Office Administration A (formerly Adv. Computer Apps)
070743B Office Administration B (formerly Adv. Computer Apps)
080716A Principles of Marketing A
080716B Principles of Marketing B
081121 Sports Marketing
080911 Travel/Tourism (Offered in even years)
080111 Fashion Marketing
081511 Advertising/Promotion
081411A Retail Marketing A (Offered in odd years)
081411B Retail Marketing B (Offered in odd years)
080717A Advanced Marketing A
080717B Advanced Marketing B
080717SA School Store CO-OP A
080717SB School Store CO-OP B
080717SC School Store CO-OP C
110710A Intro to Computer Science A
110710B Intro to Computer Science B
110226A Project Based Programming A
110226B Project Based Programming B
110752A Cyber Security A
110752B Cyber Security B
[110730A AP Computer Science Principles A](#)
[110730B AP Computer Science Principles B](#)
[110701A AP Computer Science Applications A](#)
[110701B AP Computer Science Applications B](#)
110901A Networking Technologies A
110901B Networking Technologies B
110919T1 Information Tech Internship T1
110919T2 Information Tech Internship T2
110919T3 Information Tech Internship T3

Education and Training

331030A The Learning Community A
331030B The Learning Community B
331031A The Learner-Centered Classroom A
331031B The Learner-Centered Classroom B
331032A The Professional Educator A
331032B The Professional Educator B
331033A Collaborative Clinical Experience A
331033B Collaborative Clinical Experience B

Engineering/PLTW

219901A Intro to Engineering (IED) A
219901B Intro to Engineering (IED) B
219902A Principles of Engineering (POE) A
219902B Principles of Engineering (POE) B
219903A Digital Electronics (DE) A (Offered in even years)
219903B Digital Electronics (DE) B (Offered in even years)
219905A Civil Engineering A
219905B Civil Engineering B
210238 Foundations of Robotics
219907A Aerospace Engineering (AE) A (Offered in odd years)
219907B Aerospace Engineering (AE) B (Offered in odd years)
219904A Computer Integrated Manufacturing (CIM) A
219904B Computer Integrated Manufacturing (CIM) B
219906A Engineering/Design/Development (EDD) A
219906B Engineering/Design/Development (EDD) B
170701A Biomedical Science (PBS) A
170701B Biomedical Science (PBS) B
170702A Human Body Systems (HBS) A
170702B Human Body Systems (HBS) B
170703A Medical Interventions (MI) A
170703B Medical Interventions (MI) B
170704A Biomedical Innovations (BI) A
170704B Biomedical Innovations (BI) B

English/Language Arts Department

230107 English 1
230107H Honors English 1
230110 English 2
230111H Honors English 2
230113 English 3
230166 AP English 3
230116A English 4 Early to 1485
230116B English 4 1485 to Present
230167 AP English 4
ENG101 English 101 (Dual-Credit)
ENG102 English 102 (Dual-Credit)
230126 Mythology
230138 Science Fiction
239101 Media/Communications
230599 Creative Writing
230125 Pop Culture, Politics and Purpose BC
230499 Healthy/Wealthy/Wise
230140AL Alternate Literature
230140G Graphic Novels
239141T1 Yearbook T1
239141T2 Yearbook T2
239141T3 Yearbook T3

Family/Consumer Science Department

200113A FACS Essentials A (formerly Life Skills)
200113B FACS Essentials B (formerly Life Skills)
200223A Early Lifespan A (formerly Child/Human Development)
200223B Early Lifespan B (formerly Child/Human Development)
200171A Relationships A
200171B Relationships B
200173A Parenting A
200173B Parenting B
200261A Child Development Services 1A
200261B Child Development Services 1B
200262A Child Development Services 2A
200262B Child Development Services 2B
200441A Foods/Nutrition A
200441B Foods/Nutrition B

Health/Physical Education Department

340133 Health
340216 Physical Education
340219 Advanced Physical Education
340214FT2 Fitness/Conditioning (FB)
340214FT3 Fitness/Conditioning (FB)
340214BT1 Fitness/Conditioning (BB)
340214BT2 Fitness/Conditioning (BB)

Interventions

904010 (T1, T2, T3) Learning Lab (Math and/or Reading)
904010JR (T1,T2) ACT Lab
231295 College Readiness Reading
270309 College Readiness Math (Can serve as SR Math)

JROTC Department

580240A JROTC 1A
580240B JROTC 1B
580240C JROTC 1C
580241A JROTC 2A
580241B JROTC 2B
580241C JROTC 2C
580242A JROTC 3A

580242B JROTC 3B
580242C JROTC 3C
580243A JROTC 4A
580243B JROTC 4B
580243C JROTC 4C

Mathematics Department

270301 PreAlgebra
270304 Algebra 1
270601A Data/Masurement (Algebra)
270401 Geometry
270601G Data/Masurement (Geometry)
270401H Honors Geometry
270311 Algebra 2
270312H Honors Algebra 2
270621S Advanced Math Statistics
270621F Advanced Math Functions
270621T Advanced Math Trig
270501 Pre-Calculus
270513A AP Calculus A
270513B AP Calculus B
270513C AP Calculus C
MTH123 Elementary Calculus with Applications (Dual Credit)
270604A AP Statistics A
270604B AP Statistics B
270320 College Algebra (Dual-Credit)

Science Department

303091A Integrated Science A
303091B Integrated Science B
302601 Biology
302601H Honors Biology
304620A Environmental Science A
304620B Environmental Science B
304521A Chemistry A
304521B Chemistry B
304521HA Honors Chemistry A
304521HB Honors Chemistry
302661 Genetics
302616 Forensics
302612 Botany
302615 Zoology
302621 Marine Biology
302646A AP Biology A
302646B AP Biology B
302646C AP Biology C
304526A AP Chemistry A
304526B AP Chemistry B
304526C AP Chemistry C
CHEM105 Fundamentals of General Chemistry (Dual Credit)
304821A Physics A
304821B Physics B
304828A AP Physics 1A
304828B AP Physics 1B
304828C AP Physics 1C
302631A Anatomy A
302631B Anatomy B
304622A AP Environmental Science A (Offered in even years)
304622B AP Environmental Science B (Offered in even years)
BIO110 College Biology (Dual-Credit)
BIO221 Anatomy/Physiology (Dual Credit)

Social Studies Department

450842 World Civilization
450842H Honors World Civilization
450707 Geography
450712A AP Human Geography A
450712B AP Human Geography B
450601 Economics
451004 Government
451030A AP Government A
451030B AP Government B
451030C AP Government C
450812A US History 1860-1929
450812B US History 1929-Present
450814 AP US History
451121 Sociology
459901 Psychology
451039 Law/Justice
450875 KY Studies
450844A AP European History A
450844B AP European History B
459902A AP Psychology A
459902B AP Psychology B
HIS102 College History (Dual-Credit)

World Language Department

161108A Spanish 1A
161108B Spanish 1B
161109A Spanish 2A
161109B Spanish 2B

Other Options

906010T1 Peer Tutoring T1
906010T2 Peer Tutoring T2
906010T3 Peer Tutoring T3
909030AP AP/Dual Credit Study Hall
909020 Office/Lab Assistant
904020 Advisor/Advisee/Work Experience
950001 Maroon University—On Campus
950001 Maroon University—Off Campus (SEEK)
960001 ACO (Credit Recovery, PB)-On Campus
960001 ACO (Credit Recovery, PB)-Off Campus

Pulaski County Area Technology

(Health Science)

170631 MNA (1 credit)
170111 Principles of Health Science
170131 Medical Terminology 1
170141 Emergency Procedures
170167 Body Structures/Functions

(Carpentry)

460201 Carpentry Tech
460213 Ceiling/Roof
460212 Floor/Wall Framing
460214 Site Layout/Foundation
460219 Exterior/Interior

(Auto)

470507 Maintenance/Light Repair A (Engine)
470509 Maintenance/Light Repair B (Steering/Suspension)
470511 Maintenance/Light Repair C (Brakes)
470513 Maintenance/Light Repair D (/Electrical System)

(Welding)

480501 Cutting Process
480521 SMAW
480522 GMAW
480505 Welding Blueprints
480528 SMAW Groove Lab

(Natural Gas Pipeline Tech)

470336C1 Fundamentals
470336C2 Natural Gas Safety
470336C3 Meter/Line
470336C4 Service Line

(Industrial Maintenance)

470348 Motor Controls
470322 Electrical Principles
470351 Robotics and Automation
470333 Programmable Logic Controller

Dual Credit

Below are the dual credit courses that are available. All students interested in taking a dual credit course must apply to that specific university and meet the college ACT requirements. Students must be aware that they will not only be a student at PCHS but also a student at that institution and all college policies apply including attendance and drop/withdraw dates.

All grades earned will be calculated with the high school transcript and the college transcript.

All courses cost \$54.00 per credit hour. For example, MAT 150 equals 3 college credit hours so that course would cost \$162.00. There are scholarship opportunities available to assist students with the cost of the courses.

Eastern Kentucky University

- ENG 101- Reading, Writing, and Rhetoric (Open to 11th/12th graders)
- ENG 102- Research, Writing, and Rhetoric (Open to 11th/12th graders)
- His 102- American Civilization to 1877 (Open to 12th graders)
- Online courses upon request

Campbellsville University

- MUS (Open to 11th/12th graders)
- BIO 110 (Open to 11th/12th graders)
- BIO 221 Anatomy/Physiology (Open to 11th/12th graders)
- MAT 111 College Algebra (Open to 12th graders)
- MTH 123 Elementary Calculus and its Applications (prerequisite of Pre-Calculus)
- HP 180 Principles of Wellness (Online) (9th grade... students would have to pay)
- MAC 120 Fundamentals of Speech (Online)

Western Kentucky University

- CHE 105 (Open to 11th/12th graders)

Murray State University

- AGR 100 (Online and also aligned with Animal Science, prerequisite of Principles of Ag; Open to 11th/12th graders; ACT Composite of 18 and 3.0 GPA or Upper half of class)

Somerset Community College

- SEEK Program
- Online courses upon request

Please be advised that the above listed courses are general education requirements. All colleges are different and require different courses. It is advised for students to contact the colleges that they are interested in attending to check and make sure the courses will transfer prior to registering.

Student Name _____

Circle One: 2019 2020 2021 2022

Diploma: ___ Standard **Career Emphasis:** ___ Agriculture ___ Marketing ___ Health Science/Nursing
 ___ PreCollege ___ Family/Consumer Science ___ Biomedical ___ Industrial Maint ___ Welding
 ___ Advanced ___ Network Administration ___ Carpentry ___ Natural Gas ___ JROTC
 ___ Computer Science ___ Auto ___ Engineering ___ Business

PCHS Four-Year Plan				
	9 th Grade	10 th Grade	11 th Grade	12 th Grade
1	English 1	English 2	English 3	English 4
2	English 1	English 2	English 3	English 4
3	English 1	English 2	English 3	English 4
4	Math	Math	Math	Math
5	Math	Math	Math	Math/Elective
6	Math	Math	Math	Math/Elective
7	Science	Science	Science	Elective
8	Science	Science	Science	Elective
9	Science or Elective	Science or Elective	Social Studies	Elective
10	Social Studies	Social Studies	Social Studies	Elective
11	Social Studies	Social Studies	Social Studies or Elective	Elective
12	Social Studies or Elective	Social Studies or Elective	Elective	Elective
13	PE 1 or Elective	Elective	Elective	Elective
14	Health or Elective	Elective	Elective	Elective
15	Elective	Elective	Elective	Elective
16	Elective	Elective	Elective	Elective
17	Elective	Elective	Elective	Elective
18	Elective	Elective	Elective	Elective

1 credit (two-12 week courses) of Arts/Humanities **OR related course (Band, Choir, Art, Musical Choir) is required. It will replace any Elective at any grade level.

STANDARD DIPLOMA

30 credits

ENGLISH (4 courses required)

- English 1 English 2 English 3 English 4 English 101 English 102

MATHEMATICS (3 courses required)—Must take a Math course each year

- Geometry Algebra 2 Math Elective Math Elective (SR Year)
or
 Algebra 1 Geometry Algebra 2 Math Elective (SR Year)
or
 Integrated 1 Data (Algebra) Geometry Algebra 2
or
 Integrated 1 Integrated 2 Data (Geometry) Algebra 2
or
 PreAlgebra Algebra 1 Geometry Algebra 2

SCIENCE (3 credits required)

- Integrated Science (Earth/Space) Biology Environmental Science/Chemistry/Physics/Engineering

SOCIAL STUDIES (3 courses required)

- World Civilization Geography Government Economics US 1860-1929 US 1929-Present

HEALTH/PHYSICAL EDUCATION ($\frac{1}{2}$ credit of each required)

- Health and
 PE OR JROTC

ARTS/HUMANITIES (1-2 courses required)

- Arts/Humanities OR Arts/Humanities Electives _____ _____

ELECTIVE

- | | | |
|--------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |

ADVANCED DIPLOMA

*-student must have **no failures** on his/her transcript*

--student must complete 5 credits of AP/Dual Credit coursework with a C or better completing all parts of the course.

-student must meet the requirements for the PreCollege Diploma

--From the 5 credits, at least one complete course must come from the English/Social Studies area and at least one from the Math/Science area.

English/Social Studies

- AP English (English Language/Composition) A, B, C—1.5 credits
- AP English (English Literature) A, B, C—1.5 credits
- Dual Credit English—1 credit
- AP Government/Economics A, B, C—1.5 credits
- AP US History A, B, C—1.5 credits
- AP Psychology A, B—1 credit
- AP European History A, B—1 credit
- AP Human Geography A, B—1 credit
- Dual Credit Social Studies—1 credit
- Dual Credit Music—1 credit

Math/Science

- AP Calculus A, B, C—1.5 credits
- AP Statistics A, B—1 credit
- Dual Credit Math—1 credit
- AP Biology A, B, C—1.5 credits
- AP Chemistry A, B, C—1.5 credits
- Dual Credit Science—1 credit
- AP Physics A, B, C—1.5 credits
- AP Environmental A, B—1 credit

Other

- AP Computer Science Principles A, B—1 credit
- AP Computer Science Applications A, B—1 credit
- Other APPROVED college level course: _____

Pulaski County High School MAP Benchmark Cut Scores

Math			
	9 th	10 th	11 th
Fall	243	246	249
Winter	244	247	250
Spring	246	248	251

Language			
	9 th	10 th	11 th
Fall	220	221	223
Winter	220	222	224
Spring	221	223	224

Reading			
	9 th	10 th	11 th
Fall	227	230	232
Winter	228	231	233
Spring	230	232	234

Grade Band	Lexile Band
K-1	N/A
2-3	420L-820L
4-5	740L-1010L
6-8	925L-1185L
9-10	1050L-1335L
11-CCR	1185L-1385L



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College Course or Course Area	Test	ACT Score	*CPE Accountability Score
English Composition	English	18	18
College Algebra	Mathematics	22	19
Social Studies	Reading	22	20
Biology	Science	23	N/A

CAREER PATHWAYS

2018-2019



AGRICULTURAL EDUCATION

AGRICULTURAL EDUCATION CAREER PATHWAYS 2018-2019

AGRIBUSINESS SYSTEMS CIP 01.0101.00

PATHWAY DESCRIPTION: Agribusiness systems contribute to the production, processing, marketing, distribution, financing and development of agricultural commodities and resources. This includes food, fiber, wood products, natural resources, horticulture, and other plant and animal products and services. Agribusiness is a high-tech industry that uses satellite systems, computer databases and spreadsheets, biotechnology and many other innovations to increase efficiency and profitability.

BEST PRACTICE COURSES

EXAMPLE ILP-RELATED CAREER TITLES

Choose (1-2) from the following:

- 030715A Principles of Agriculture A
- 030715B Principles of Agriculture B
- 030711A Agriscience A
- 030711B Agriscience B

Choose (1) from the following:

- 010131 Agribusiness/Farm Management
- 010110 Agriculture Communications

May Substitute ½ Credit Below for a Pathway Course:

- 010641 Greenhouse Technology

Entrepreneur
Photojournalist
Agriculture Lawyer
Sales Representative
Independent Business Owner
Editor
Retail Salesperson
Auctioneer

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

AGRICULTURAL EDUCATION CAREER PATHWAYS 2018-2019

AGRICULTURAL POWER, STRUCTURAL, TECHNICAL SYSTEMS CIP 01.0201.00

PATHWAY DESCRIPTION: The Agricultural Power, Structural, Technical Systems pathway is built on the application of concepts in engineering, hydraulics, pneumatics, electronics, power, structures, and controls to the field of agriculture. Students design agricultural structures as well as machinery and equipment, while utilizing safe practices of operation and maintenance.

BEST PRACTICE COURSES

EXAMPLE ILP- RELATED

Choose (1-2) from the following:

- 030715A Principles of Agriculture A
- 030715B Principles of Agriculture B
- 030711A Agriscience A
- 030711B Agriscience B

Choose (2-3) from the following:

- 010241A Agriculture Construction Skills A
- 010241B Agriculture Construction Skills B
- 010231 Small Power Equipment
- 010212A Agriculture Power and Machinery Operation A
- 010212B Agriculture Power and Machinery Operation B
- 010211A Agriculture Structures and Designs A
- 010211B Agriculture Structures and Designs B

May Substitute (1) Credit Below for a Pathway Course:

- 010131 Agribusiness/Farm Management
- 010110 Ag Communications
- 010252A Lutherie A
- 010252B Lutherie B
- 010252C Lutherie C

Agricultural
Engineer Welder
Mechanical
Engineer Diesel
Technician
Electrical Engineer
Heavy Equipment
Technician
Farm
Equipment
Technician
Small Engine Mechanic

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

AGRICULTURAL EDUCATION CAREER PATHWAYS 2018-2019

ANIMAL SCIENCE SYSTEMS CIP 01.0901.00

PATHWAY DESCRIPTION: This pathway focuses on the scientific principles that underline the breeding, care, and management of agricultural animals, and the production, processing, and distribution of agricultural animal products. This includes developing better, more efficient ways of producing and processing meat, poultry, eggs and dairy products, as well as studying genetics, nutrition, reproduction, growth and development of animals.

BEST PRACTICE COURSES

EXAMPLE ILP-RELATED CAREER TITLES

Choose (1-2) from the following:

- 030715A Principles of Agriculture A
- 030715B Principles of Agriculture B
- 030711A Agriscience A
- 030711B Agriscience B

Choose (1.5) from the following:

- 020501 Animal Science
- 020510 Equine Science
- 020511 Veterinary Science

May Substitute (1) Credit Below for a Pathway Course:

- 020520 Aquaculture
- 010131 Agribusiness/Farm Management
- 030611 Wildlife Resources
- 010110 Ag Communications

Veterinarian
Animal Scientist
Marine Biologist
Zoologist
Horse Trainer
Animal Breeder
Farmer
Veterinary Technician

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

AGRICULTURAL EDUCATION CAREER PATHWAYS 2018-2019

ENVIRONMENTAL SCIENCE/NATURAL RESOURCES SYSTEMS CIP 03.0101.00

PATHWAY DESCRIPTION: This pathway focuses on the studies and activities relating to the natural environment and its conservation, use, and improvement. Includes instruction in subjects such as climate, air, soil, water, land, fish and wildlife, and plant resources; in the basic principles of environmental science and natural resources management; and the recreational and economic uses of renewable and nonrenewable natural resources.

BEST PRACTICE COURSES

EXAMPLE ILP-RELATED CAREER TITLES

Choose (1-2) credits from the following:

- 030715A Principles of Agriculture A
- 030715B Principles of Agriculture B
- 030711A Agriscience A
- 030711B Agriscience B

Choose (2) credits from the following:

- 030610 Forestry
- 030611 Wildlife Resources
- 020520 Aquaculture
- 010611 Intro to Greenhouse and Crop Production

May Substitute (.5) Credit Below for a Pathway Course:

- 010641 Greenhouse Technology

Conservation Officer
Park Warden / Ranger
Outdoor Guide
Environmental Engineer
Ecologist
Wildlife Technician
Taxidermist
Arborist

YR 1

T1: _____
T2: _____
T3: _____
CT: _____

YR 2

T1: _____
T2: _____
T3: _____
CT: _____

YR 3

T1: _____
T2: _____
T3: _____
CT: _____

YR 4

T1: _____
T2: _____
T3: _____
CT: _____

AGRICULTURAL EDUCATION CAREER PATHWAYS 2018-2019

HORTICULTURE AND PLANT SCIENCE SYSTEMS CIP 01.1101.00

PATHWAY DESCRIPTION: This pathway focuses on the scientific principles that underlie the breeding, cultivation, and production of agricultural plants, and the production, processing, and distribution of agricultural plant products. Includes instruction in the plant sciences, crop cultivation and production, and agricultural and food products processing.

BEST PRACTICE COURSES

EXAMPLE ILP-RELATED CAREER TITLES

Choose (1-2) from the following:

- 030715A Principles of Agriculture A
- 030715B Principles of Agriculture B
- 030711A Agriscience A
- 030711B Agriscience B

Choose (1.5) from the following:

- 010611 Intro to Greenhouse and Crop Production
- 010641 Greenhouse Technology
- 010631 Landscaping/Turf Management

May Substitute (1) Credit Below for a Pathway Course:

- 010131 Agribusiness/Farm Management
- 010110 Ag Communications

Horticulturist
Agronomist
Landscape Architect
Farmer
Scientist
Nursery / Greenhouse Grower
Botanist

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

BUSINESS EDUCATION

BUSINESS EDUCATION CAREER PATHWAYS 2018-2019

ADMINISTRATIVE SUPPORT CIP 52.0401.00

PATHWAY DESCRIPTION: This pathway is designed to provide students an advanced level experience that will propel them in the 21st century business world as they serve in positions such as college interns, administrative assistants, graduate assistants, assistant managers, etc. Instruction includes areas of fundamental business procedures, human resource management, time management software, workstation management, travel planning, financial reporting, payroll, mail procedures, effective communication skills, and ethical decision making skills.

BEST PRACTICE COURSES

EXAMPLE ILP-RELATED CAREER TITLES

Choose (2-3) credits from the following:

- 060112A Digital Literacy A
- 060112B Digital Literacy B
- 060122A Accounting 1A
- 060122B Accounting 1B
- OR**
- 060170 Financial Literacy
- 070743A Office Administration A (formerly Adv. Computer Apps A)
- 070743B Office Administration B (formerly Adv. Computer Apps B)

Administrative Assistant
Event Planner
Health Care Administrator
Health Records Professional
Hotel Manager
Human Resources Specialist
Insurance Claim Adjuster
Legal Secretary
Management Consultant
Medical Assistant
Medical Secretary
Office Manager
Paralegal
Proofreader
Travel Agent

Choose (1-2) credits from the following:

- 060111A Business Principles A
- 060111B Business Principles B
- 080716A Principles of Marketing A
- 080716B Principles of Marketing B
- 060121A Business Law A
- 060121B Business Law B
- 060155 Business Communications
- 170131 Medical Terminology
- 170141 Emergency Procedures
- 060411A Business Management A
- 060411B Business Management B

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

MARKETING EDUCATION

MARKETING EDUCATION CAREER PATHWAYS 2017-2018

MARKETING CIP 52.1401.01

PATHWAY DESCRIPTION: This pathway generally prepares individuals to undertake and manage the process of developing consumer audiences and moving products from producers to consumers. Includes instruction in buyer behavior and dynamics, principle of marketing research, demand analysis, cost-volume and profit relationships, pricing theory, marketing campaign and strategic planning, market segments, advertising methods, sales operations and management, consumer relations, retailing, and applications to specific products and markets.

BEST PRACTICE COURSES

EXAMPLE ILP-RELATED CAREER TITLES

Complete (2) TWO CREDITS:

- 080716A Principles of Marketing A
- 080716B Principles of Marketing B
- 080717A Advanced Marketing A
- 080717B Advanced Marketing B

Choose (2) TWO CREDITS from the following:

- 081511 Advertising & Promotions
- 081121 Sports Marketing
- 080111 Fashion Marketing
- 080310 Entrepreneurship
- 080911 Travel & Tourism
- 060112A Digital Literacy A
- 060112B Digital Literacy B
- 060122A Accounting 1A **AND**
060122B Accounting 1B **OR**
060170 Financial Literacy
- 080707A School Store Co-op A
- 080707B School Store Co-op B
- 080707C School Store Co-op C

Advertising Account Executive

Airline Customer Service Agent

Convenience Store Operator

Customer Service Representative

Fashion Retailer

Interior Designer

Market Research Analyst

Public Relations Specialist

Purchaser

Set Designer

Sports Marketer

Telemarketer

Travel Agent

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

BUSINESS & MARKETING EDUCATION

BUSINESS & MARKETING EDUCATION CAREER PATHWAYS 2018-2019

FINANCIAL SERVICES CIP 52.1908.00

PATHWAY DESCRIPTION: This pathway prepares individuals to perform a wide variety of customer services in banks, insurance agencies, savings and loan companies, and related enterprises. Includes instruction in communications and public relations skills, business equipment operation, and technical skills applicable to the methods and operations of specific financial or insurance services.

BEST PRACTICE COURSES	EXAMPLE ILP-RELATED CAREER TITLES
<p><i>Complete (2) credits from the following:</i></p> <ul style="list-style-type: none"> • 080716A Principles of Marketing A • 080716B Principles of Marketing B <p style="text-align: center;"><u>OR</u></p> <p>060111A Business Principles and Applications A 060111B Business Principles and Applications B</p> <ul style="list-style-type: none"> • 060311A Financial Services 1A • 060311B Financial Services 1B <p><i>Choose (2) credits from the following:</i></p> <ul style="list-style-type: none"> • 060122A Accounting 1A • 060122B Accounting 1B • 070122A Accounting 2A • 070122B Accounting 2B • 060170 Financial Literacy • 081511 Advertising & Promotions • 080310 Entrepreneurship • 060112A Digital Literacy A • 060112B Digital Literacy B • 080707A School Store Co-op A • 080707B School Store Co-op B • 080707C School Store Co-op C 	<p>Account Manager</p> <p>Appraiser</p> <p>Bank Teller</p> <p>Bookkeeper</p> <p>Entrepreneur</p> <p>Investment Advisor</p> <p>Investment Banker</p> <p>Loan Officer</p> <p>Money Manager</p> <p>Mortgage Broker</p> <p>Sales Representative</p> <p>Tax Preparer</p>

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

BUSINESS & MARKETING EDUCATION CAREER PATHWAYS

MANAGEMENT & ENTREPRENEURSHIP CIP 52.0701.00

PATHWAY DESCRIPTION: This pathway generally prepares individuals to plan, organize, direct, and control the functions and processes of a firm or organization. Includes instruction in management theory, human resources management and behavior, accounting and other quantitative methods, purchasing and logistics, organization and production, marketing, and business decision-making.

BEST PRACTICE COURSES

EXAMPLE ILP-RELATED CAREER TITLES

Choose (3) credits from the following:

- 080716A Principles of Marketing A
- 080716B Principles of Marketing B
- OR**
- 060111A Business Principles A
- 060111B Business Principles B
- 060411A Business Management A
- 060411B Business Management B
- 060121A Business Law A
- 060121B Business Law B
- 080310 Entrepreneurship

Association Manager
Bed and Breakfast Proprietor
Entrepreneur
Event Planner
Hotel Manager
Hotel Manager
Insurance Agent
Insurance Claims Adjuster
Property Manager
Property Manager
Volunteer Manager

Choose (1) credits from the following:

- 060112A Digital Literacy A
- 060112B Digital Literacy B
- 060122A Accounting 1A
- 060122B Accounting 1B
- 060170 Financial Literacy
- 080707A School Store Co-op A
- 080707B School Store Co-op B
- 080707C School Store Co-op C

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

EDUCATION AND TRAINING

**EDUCATION AND TRAINING
2018-2019**

**TEACHING AND LEARNING CIP
13.0101.00**

PATHWAY DESCRIPTION: This pathway focuses on the general theory and practice of learning and teaching, the basic principles of educational psychology, the art of teaching, the planning and administration of educational activities, school safety and health issues, and the social foundations of education.

BEST PRACTICE CORE

**EXAMPLE
ILP-RELATED
CAREER TITLES**

Complete (3) credits from the following:

- 331030A The Learning Community A
- 331030B The Learning Community B
- 331031A The Learner-Centered Classroom A
- 331031B The Learner-Centered Classroom B
- 331032A The Professional Educator* A
- 331032B The Professional Educator* B

Choose (1) credits from the following:

- 331033A Collaborative Clinical Experience A*
- 331033B Collaborative Clinical Experience B*
- An AP or Dual Credit course in intended teaching discipline

*The Learning Community and The Learner-Centered Classroom are recommended as pre-requisites for these courses.

- Teacher
- Administrator
- Counselor
- Instructional Coach
- Curriculum Specialist
- Curriculum
- Writer/Consultant
- School Psychologist
- Curator
- Professor
- Policy Advisor
- Tutor
- Assessment Specialist

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

ENGINEERING & ENGINEERING TECHNOLOGY
Health Science

HEALTH SCIENCES CAREER PATHWAYS 2018-2019

PLTW BIOMEDICAL SCIENCES CIP 26.0102.00

PATHWAY DESCRIPTION: This pathway focuses on the integrative scientific study of biological issues related to health and medicine, or a pathway in one or more of the biomedical sciences that is undifferentiated as to title. Includes instruction in any of the basic medical sciences at the research level; biological science research in biomedical faculties; and general studies encompassing a variety of the biomedical disciplines.

BEST PRACTICE COURSES

EXAMPLE ILP-RELATED CAREER TITLES

Complete (4) credits from the following:

- 170701A Principles of Biomedical Science A
- 170701B Principles of Biomedical Science B
- 170702A Human Body Systems A
- 170702B Human Body Systems B
- 170703A Medical Interventions A
- 170703B Medical Interventions B
- 170704A Biomedical Innovations A
- 170704B Biomedical Innovations B

Biologist Biomedical
Engineer
Biotechnologist
Coroner
Doctor
Forensic Scientist
Nurse
Pharmacist
Surgeon

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

ENGINEERING CAREER PATHWAYS 2018-2019

AEROSPACE ENGINEERING CIP 14.0201.01

PATHWAY DESCRIPTION: This pathway prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of aircraft, space vehicles, and their systems; applied research on flight characteristics; and the development of systems and procedures for the launching, guidance, and control of air and space vehicles. Aerospace engineers design primarily aircraft, spacecraft, satellites, and missiles. In addition, they test prototypes to make sure that they function according to design.

[NCES Classification of Instructional Programs \(CIP\)](#)
[Bureau of Labor Statistics](#)

BEST PRACTICE COURSES	EXAMPLE ILP-RELATED CAREER TITLES
<p><i>Choose (1-2) credits from the following:</i></p> <ul style="list-style-type: none"> • 219901A Introduction to Engineering Design A • 219901B Introduction to Engineering Design B • 219902A Principles of Engineering A • 219902B Principles of Engineering B <p><i>Complete (1) credits from the following:</i></p> <ul style="list-style-type: none"> • 219907A Aerospace Engineering A • 219907B Aerospace Engineering B <p><i>Choose (1-2) credits from the following:</i></p> <ul style="list-style-type: none"> • 110730A AP Computer Science Principles A • 110730B AP Computer Science Principles B • 219903A Digital Electronics A • 219903B Digital Electronics B • 219906A Engineering Design and Development A • 219906B Engineering Design and Development B 	<p>Aerospace Engineer</p> <p>Astronaut</p> <p>Engineering Tech</p>

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

ENGINEERING CAREER PATHWAYS 2018-2019

CIVIL ENGINEERING CIP 14.0801.00

PATHWAY DESCRIPTION: This pathway generally prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of structural, load-bearing, material moving, transportation, water resource, and material control systems; and environmental safety measures. Civil engineers design, build, supervise, operate, and maintain construction projects and systems in the public and private sector, including roads, buildings, airports, tunnels, dams, bridges, and systems for water supply and sewage treatment.

[NCES Classification of Instructional Programs \(CIP\) Bureau of Labor Statistics](#)

BEST PRACTICE COURSES

EXAMPLE ILP-RELATED CAREER TITLES

Choose (1-2) credits from the following:

- 219901A Intro to Engineering A
- 219901B Intro to Engineering B
- 219902A Principles of Engineering A
- 219902B Principles of Engineering B

Complete (1) credits from the following:

- 219905A Civil Engineering/ Architecture A
- 219905B Civil Engineering/ Architecture B

Choose (1-2) credits from the following:

- 110730A AP Computer Science Principles A
- 110730B AP Computer Science Principles B
- 219908A Environmental Sustainability A
- 219908B Environmental Sustainability B
- 219906A Engineering Design and Development A
- 219906B Engineering Design and Development B

Civil Engineer

Inventor

Agricultural Engineer

Environmental Engineer

Mining Engineer

Engineering Tech

Civil Engineering Tech

Land Surveyor

Geo-Technical Engineer

Public Works

Military Engineer

Aerospace Engineer

Forensic Engineer Urban

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

ENGINEERING CAREER PATHWAYS 2018-2019

ELECTRICAL/ELECTRONICS ENGINEERING CIP 14.1001.00

PATHWAY DESCRIPTION: This pathway prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of electrical, electronic related systems and their components. Electrical engineers design, develop, test, and supervise the manufacturing of electrical equipment, such as electric motors, electrical controls, instrumentation, HMI Interfaces, PLCs, industrial controls, and power generation equipment. Electronics engineers design and develop electronic equipment, such as broadcast and communications systems—from portable music players to global positioning systems (GPSs).

[NCES Classification of Instructional Programs \(CIP\)](#)
Bureau of Labor Statistics

BEST PRACTICE COURSES

EXAMPLE ILP-RELATED CAREER TITLES

Choose (1-2) credits from the following:

- 219901A Intro to Engineering A
- 219901B Intro to Engineering B
- 219902A Principles of Engineering A
- 219902B Principles of Engineering B

Complete (1) credits from the following:

- 219903A Digital Electronics A
- 219903B Digital Electronics B

Choose (1-2) credits from the following:

- 110730A AP Computer Science Principles A
- 110730B AP Computer Science Principles B
- 219906A Engineering Design and Development A
- 219906B Engineering Design and Development B

Engineering Tech Ed
Teacher

Electronics Engineer

Electrical Engineer

Computer Hardware
Engineer

Electronics Engineering
Tech

Engineering Tech

Electrical Engineering
Tech

Controls Engineer

Robotics Engineer

Sales Engineer

Instrumentation Engineer

Consulting Engineer

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

ENGINEERING CAREER PATHWAYS 2018-2019

INDUSTRIAL/MECHANICAL ENGINEERING CIP 14.3501.00

PATHWAY DESCRIPTION: This pathway prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of physical systems used in manufacturing and end-product systems including, but not limited to, fluid power, robotics, automation, rapid prototyping and machine control. Industrial/Mechanical Engineering is one of the broadest engineering disciplines. Industrial/Mechanical engineers design, develop, build, and test mechanical and thermal sensors and devices, including tools, engines, and machines.

[NCES Classification of Instructional Programs \(CIP\)](#)
Bureau of Labor Statistics

BEST PRACTICE COURSES

EXAMPLE ILP-RELATED CAREER TITLES

Complete (2) credits from the following:

- 219901A Intro to Engineering A
- 219901B Intro to Engineering B
- 219902A Principles of Engineering A
- 219902B Principles of Engineering B

Choose (1) credits from the following:

- 219904A Computer Integrated Manufacturing A
- 219904B Computer Integrated Manufacturing B

Choose (1) credits from the following:

- 110730A AP Computer Science Principles A
- 110730B AP Computer Science Principles B
- 219903A Digital Electronics A
- 219903B Digital Electronics B
- 219906A Engineering Design and Development A
- 219906B Engineering Design and Development B

Engineering Technology
Education Teacher

Mechanical Engineer

Mechanical Engineering
Technician

Industrial Designer

Engineering Tech

Industrial Engineer

Aerospace/Aviation
Design

Biosystems Engineer

Engineering Technology

Manufacturing Manager

Industrial Engineering
Tech

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

FAMILY AND CONSUMER SCIENCES

FAMILY AND CONSUMER SCIENCES CAREER PATHWAYS 2008-2019

CONSUMER & FAMILY MANAGEMENT CIP 19.0403.00

PATHWAY DESCRIPTION: The Consumer and Family Management pathway helps students develop skills associated with early career employment opportunities and rigorous education programs that prepare for this level of the career ladder. The knowledge and skills validated span across a broad range of Family and Consumer Sciences content areas and are central to career areas involving human services, consumer services/protection/advising, education and training as well as social and community services.

BEST PRACTICE COURSES	EXAMPLE ILP-RELATED CAREER TITLES
<p><i>Choose (3) credits from the following:</i></p> <ul style="list-style-type: none"> • 200113A FACS Essential A • 200113B FACS Essential B • 200171A Relationships A • 200171B Relationships B • 200441A Foods/Nutrition A • 200441B Foods/Nutrition B <p><i>Choose (1) credits from the following:</i></p> <ul style="list-style-type: none"> • 200173A Parenting A • 200173B Parenting B 	<p>Marriage and Family Therapist</p> <p>Family and Consumer Scientist</p> <p>Gerontologist</p> <p>Abuse/Crisis Counselor</p> <p>Personal Financial Planner</p>

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

**FAMILY AND CONSUMER SCIENCES CAREER PATHWAYS
2018-2019**

**EARLY CHILDHOOD EDUCATION
CIP 13.1210.00**

PATHWAY DESCRIPTION: The Early Childhood Education pathway will address a skill set necessary for success in early childhood education so that individuals can teach students ranging in age from infancy through eight years (grade three), depending on the school system or state regulations. This pathway is targeted for individuals preparing for careers related to early childhood education, such as those associated with child care, teaching, community-based children's programs, social services or counseling for children, and after-school programs.

BEST PRACTICE COURSES	EXAMPLE ILP-RELATED CAREER TITLES
<p><i>Complete (3) credits from the following:</i></p> <ul style="list-style-type: none"> • 200223A Early Lifespan Development A • 200223B Early Lifespan Development B • 200261A Child Development Services 1A • 200261B Child Development Services 1B • 200262A Child Development Services 2A • 200262B Child Development Services 2B <p><i>Choose (1) credits from the following:</i></p> <ul style="list-style-type: none"> • 200113A FACS Essential A • 200113B FACS Essential B • 200171A Relationships A • 200171B Relationships B • 200173A Parenting A • 200173B Parenting B 	<p>Early Childhood Educator</p> <p>Psychologist</p> <p>Nanny</p> <p>Pediatrician</p> <p>Midwife</p> <p>Child and Youth Worker</p>

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

INFORMATION TECHNOLOGY

INFORMATION TECHNOLOGY CAREER PATHWAYS 2018-2019

COMPUTER SCIENCE CIP 11.0701.01

PATHWAY DESCRIPTION: The Computer Science Pathway courses focus on computer theory, computing problems and solutions, and design of computer systems and user-interfaces. The coursework will include instruction in the principles of computational science, computer development and programming and applications to a variety of end use situations.

BEST PRACTICE COURSES	EXAMPLE ILP-RELATED CAREER TITLES
<p><i>Choose (1) credits from the following:</i></p> <ul style="list-style-type: none"> • 060112A Digital Literacy A • 060112B Digital Literacy B • 110710A Introduction to ComputerScience A • 110710B Introduction to ComputerScience B <p><i>Choose (1) credits from the following:</i></p> <ul style="list-style-type: none"> • 110730A AP Computer Science Principles A • 110730B AP Computer Science Principles B <p><i>Choose (2) credits from the following:</i></p> <ul style="list-style-type: none"> • 110701A AP Computer Science (Applications) A • 110701B AP Computer Science (Applications) B • 110226A Project Based Programming A • 110226B Project Based Programming B • 110752A Cybersecurity A • 110752B Cybersecurity B • 110919T1 Information Technology Internship T1 • 110919T2 Information Technology Internship T2 • 110919T3 Information Technology Internship T3 	<p>Computer Software Engineer</p> <p>Database Developer</p> <p>Computer Hardware Engineer</p> <p>Computer Network Specialist</p> <p>Computer Scientist</p> <p>Web Developer</p> <p>Information Security Analyst</p> <p>Computer Programmer</p> <p>IT Project Manager</p>

Introduction to Computer Science (ICS) is recommended for Freshman students, however other students that want to explore computer science are welcome to take the class. AP Computer Science Principles (CSP) is open to anyone that wants an AP class (freshmen should take ICS first). CSP should be considered a prerequisite for any of the upper level classes (CSA, PBP, SEC, or Helpdesk). **The Helpdesk class is a capstone class and should not be taken by students that have not had three or more IT or CS classes.**

YR 1

T1: _____
T2: _____
T3: _____
CT: _____

YR 2

T1: _____
T2: _____
T3: _____
CT: _____

YR 3

T1: _____
T2: _____
T3: _____
CT: _____

YR 4

T1: _____
T2: _____
T3: _____
CT: _____

INFORMATION TECHNOLOGY CAREER PATHWAYS 2018-2019

NETWORK ADMINISTRATION CIP 11.0901.01

PATHWAY DESCRIPTION: The network administration pathway courses will help students learn new administration support skills or upgrade existing computer information systems skills. Students will be able to properly install networking software on an appropriately sized computer; configure the software for a simple server environment and connect it correctly to a physical network; manage a simple networking environment; effectively troubleshoot problems; adding new users and attending to security concerns; and work within the ethical/professional parameters in the field of network administration.

BEST PRACTICE COURSES	EXAMPLE ILP-RELATED CAREER TITLES
<p><i>Complete (1) credits from the following:</i></p> <ul style="list-style-type: none"> • 060112A Digital Literacy A • 060112B Digital Literacy B <p><i>Choose (2) credits from the following: (NETWORK ADMINISTRATION PATH):</i></p> <ul style="list-style-type: none"> • 110101A Computer Hardware/Software Maintenance A • 110101B Computer Hardware/Software Maintenance B • 110901A Networking Concepts A • 110901B Networking Concepts B <p><i>OPTIONAL (1) credits from the following:</i></p> <ul style="list-style-type: none"> • 110919T1 Information Technology Internship T1 • 110919T2 Information Technology Internship T2 • 110919T3 Information Technology Internship T3 	<p>Network Server Administrator Support Team Member</p> <p>Quality Assurance System Analyst</p> <p>Sales Representative</p> <p>Technical Support Representative</p> <p>Technical Writing Expert</p> <p>Electronics Engineer Hardware</p> <p>Engineer System Administrator</p> <p>Network Administrator</p> <p>Microsoft Server Administrator</p> <p>Microsoft Server Administrator (Support Team)</p> <p>Cisco Network Administrator Cisco Engineer</p> <p>Cisco Hardware Engineer Cisco System Administrator</p>

Digital Literacy is recommended for freshman students and is taught by the Business Education department, however other students are welcome to take the class. Computer Hardware and Software Maintenance and Introduction the Networking Concepts are offered on a rotating basis. **The Internship class is a capstone class and should not be taken by students that have not had three or more IT or CS classes.**

YR 1

T1: _____

T2: _____

T3: _____

CT: _____

YR 2

T1: _____

T2: _____

T3: _____

CT: _____

YR 3

T1: _____

T2: _____

T3: _____

CT: _____

YR 4

T1: _____

T2: _____

T3: _____

CT: _____

**JUNIOR RESERVES OFFICER TRAINING CORPS
JROTC**

**JUNIOR RESERVE OFFICERS' TRAINING CORPS
CAREER PATHWAYS
2018-2019**

**ARMY JROTC
CIP 28.0301.00**

PATHWAY DESCRIPTION: This pathway introduces students to the theory and practice of military science, life in the U.S. Army, and prepares them for cadet status (Junior **ROTC** or **JROTC**) or for service as commissioned reserve or active duty officers (senior **AROTC** or **ROTC**). Programs are offered as adjuncts to regular high school instructional programs.

BEST PRACTICE COURSES	EXAMPLE ILP-RELATED CAREER TITLES
<p><i>Complete (3) credits from the following:</i></p> <ul style="list-style-type: none"> • 580240A Army Junior ROTC 1A • 580240B Army Junior ROTC 1A • 580240C Army Junior ROTC 1A • 580241A Army Junior ROTC 2A • 580241B Army Junior ROTC 2B • 580241C Army Junior ROTC 2C • 580242A Army Junior ROTC 3A • 580242B Army Junior ROTC 3B • 580242C Army Junior ROTC 3C <p><i>Choose (1) credits from the following:</i></p> <ul style="list-style-type: none"> • 580243A Army Junior ROTC 4A • 580243B Army Junior ROTC 4B • 580243C Army Junior ROTC 4C 	<p>Administrative Personnel</p> <p>Construction Personnel</p> <p>Electronic And Electrical Equipment Repair Personnel</p> <p>Engineering, Science, And Technical Personnel</p> <p>Healthcare Personnel</p> <p>Media And Public Affairs Personnel</p> <p>Transportation And Material-Handling Personnel</p>

The Army Junior Reserve Officer Training Corps (JROTC) is a program offered to high schools that teaches students character education, student achievement, wellness, leadership, and diversity. It is a cooperative effort between the Army and the high schools to produce successful students and citizens, while fostering in a more constructive and disciplined learning environment.

The outcomes of the JROTC program are:

- Act with integrity and personal accountability as they lead others to succeed in a diverse and global workforce
- Engage civic and social concerns in the community, government, and society
- Graduate prepared to excel in post-secondary options and career pathways
- Make decisions that promote positive social, emotional, and physical health
- Value the role of the military and other service organizations

The JROTC program achieves these outcomes by using a world-class 21st Century, technology driven, student centered curriculum. The curriculum consists of education in citizenship, leadership, social and communication skills, physical fitness and wellness, geography, and civics.

<u>YR 1</u>	<u>YR 2</u>	<u>YR 3</u>	<u>YR 4</u>
T1: _____	T1: _____	T1: _____	T1: _____
T2: _____	T2: _____	T2: _____	T2: _____
T3: _____	T3: _____	T3: _____	T3: _____
CT: _____	CT: _____	CT: _____	CT: _____