

MARATHON HIGH SCHOOL



2019-2020
ACADEMIC & CAREER
PLANNING GUIDE

MARATHON HIGH SCHOOL

MISSION STATEMENT

The Marathon School District is committed to providing all students with a quality education and the skills they need to be successful. We will continuously improve instructional programs and provide learning experiences that meet the individual needs of students in a safe and supportive environment by developing an exceptional staff and partnering with families and the community.

VISION STATEMENT

The Marathon School District will continue to create an exceptional educational system that is recognized for the academic excellence and character of its students, the professionalism and expertise of its staff, and the quality and diversity of its programs.

NONDISCRIMINATION STATEMENT

The Marathon School District is committed and dedicated to the task of providing the best education possible for every child in the district for as long as the student can benefit from attendance and the student's conduct is compatible with the welfare of the entire student body. The right of the student to be admitted to school and to participate fully in curricular, extracurricular, student services, recreational or other programs or activities shall not be abridged or impaired because of a student's sex, race, religion, national origin, color, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional or learning disability or handicap.

The ACP Model

Know-Explore-Plan-Go aligns Wisconsin ACP required components with research-based recommendations for incorporating career development throughout K12 for self-exploration, career exploration, and career planning and management.

Self-Awareness (KNOW)

- Periodic self-assessment of interests and strengths
- Reflection and goal setting
- Financial knowledge & understanding of resources
- Academic courses & skill preparation
- Behavioral & employability skill preparation

Career Exploration (EXPLORE)

- Middle School career exploration activities and opportunities
- High School career exploration activities and opportunities
- World of work and labor market needs
- Understanding and comparing different postsecondary education & training

Career Planning (PLAN)

- Planning skills
- The Middle School plan
- The High School plan

Career Management (GO)

- Executing the plan
- Updating the plan with new information & artifacts
- Conferencing & mentoring
- Transitioning ACP Components



PROGRAMS OF STUDY

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CAREER CLUSTERS & PROGRAMS OF STUDY

The Framework

Career Clusters are broad occupational groupings that serve as an organizing tool categorizing common knowledge and skill sets for secondary and post-secondary education through 16 broad groups of occupations and 79 pathways (sub-groups). As a tool, Career Clusters:

- blend rigorous academic/technical preparation
- provide for career development
- offer options for students to experience all aspects of a business or industry
- facilitate/assist students and educators with ongoing transitions

The Plan

Programs of Study (POS) are sequences of Academic AND Career Technical Education courses to help students attain a postsecondary degree or industry-recognized certificate or credential within a career cluster/pathway. At minimum a POS must:

- Incorporate and align secondary and postsecondary education elements.
- Include academic and CTE content in a coordinated, non-duplicative progression of courses.
- Offer the opportunity, where appropriate, for secondary students to acquire postsecondary credits.
- Lead to an industry-recognized credential or certificate at the postsecondary level, or an associate or baccalaureate degree.

The Process

Career Pathway

A career pathway is a coherent, articulated sequence of rigorous academic and career related courses (the POS), commencing in ninth grade and leading to an associate degree, and/or an industry-recognized certificate or licensure, and/or a baccalaureate and beyond.

A career pathway...

- is developed, implemented and maintained in partnership among secondary and postsecondary education, business, and employers.
- is available to all students and designed to lead THROUGH the desired levels of education and training TO rewarding careers.



AGRICULTURE, FOOD AND NATURAL RESOURCES

This program of study prepares learners for careers in the planning, implementation, production, management, processing and/or marketing of agricultural commodities and services. This includes food, fiber, wood products, natural resources, horticulture, and other plant and animal products. It also includes related professional, technical and educational services.

Pathways

- Agribusiness Systems
- Animal Systems
- Environmental Service Systems
- Food Products and Processing Systems
- Natural Resources Systems
- Plant Systems
- Power, Structural, and Technical Systems



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics, Pre-Calculus, AP Calculus, SCIENCE: Physics, AP Physics SOCIAL STUDIES: Geography BUSINESS: Career Discovery WORLD LANGUAGE: Spanish I-V AGRISCIENCE: Animal Science, Advanced Animal Science, Horticulture, Greenhouse Management, Conservation, Food Science, and Agribusiness Management.</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FFA, Ecology, FBLA,</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

AGRICULTURE, FOOD AND NATURAL RESOURCES

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
AGRIBUSINESS SYSTEMS				
-Farm & Ranch Workers	-Agriculture Contact Provider	-Agribusiness Management -Agribusiness Operations Technology -Agri-Communications -Farm and Ranch Business Management	-Agricultural Economics -Agribusiness -Agricultural Education -Agricultural Journalism -Hospitality, Restaurant & Tourism Management -Professional Golf Management	-Agricultural Economics -Agriculture Leadership -Education Statistics
ANIMAL SYSTEMS				
-Animal Caretakers -Material Collection	-Ag Dairy Technician -Beef Quality Assurance -Livestock Production -Pork Quality Assurance	-Animal Science -Equine Industry Management -Livestock Industry Management -Swine Management -Veterinary Technology	-Animal Science Biochemistry -Grazing Livestock Systems -Veterinary Science -Veterinary Technologist	-Animal Science (Nutrition, Genetics or Physiology Focus) -Biochemistry -Integrative Biomedical Sciences -Veterinary Medicine
ENVIRONMENTAL SERVICE SYSTEMS				
-Refuse and Recyclable -Material Collection		-Environmental Science -Laboratory Science Technology	-Aquatic Ecology -Conservation Biology -Environmental Soil Science -Environmental Studies Habitat Management -Insect Science	-Entomology -Natural Resource Science
FOOD PRODUCTS & PROCESSING SYSTEMS				
-Butchers & Meat Cutters -Meat Processing -Slaughter & Meat Packer	-Ag Dairy Technician -Commercial Plant Production -Food Handlers Permit -Quality Control	-Agronomy -Diversified Agriculture -Dietary Management -Food Science & Technology -Quality Control	-Agronomy -Animal Science, Food Science & Technology -Hospitality, Restaurant & Tourism Management -Mechanized Systems Management	-Agronomy -Animal Science (Meat Science Focus) -Food Science & Technology
NATURAL RESOURCES SYSTEMS				
		-Natural Resources Systems -Soil & Water Conservation -Wildlife Management	-Environmental Soil Sciences -Environmental Studies -Fisheries & Wildlife -Grassland Ecology / Management -Natural Resources & Environmental Economics -Water Science	-Horticulture & Forestry -Natural Resources Sciences
PLANT SYSTEMS				
-Nursery & Greenhouse Workers -Seed Sales -Tree Trimmers & Pruners	-Commercial Horticulture	-Agronomy Commercial -Horticulture Crop Production -Forestry Landscape / Nursery -Sport Turf Technology	-Agronomy -Biochemistry -Diversified Agriculture Studies -Grazing Livestock Systems -Horticulture -Insect Science	-Agriculture Agronomy -Biochemistry Entomology -Horticulture -Horticulture & Forestry
POWER, STRUCTURAL & TECHNICAL SYSTEMS				
-Electrician Apprentice -Plumbing Apprentice -Welding Apprentice	-Parts Distribution & Management -Parts/Sales & Management	-Agri-Technology Farm -Mechanics Irrigation Tech -John Deere Ag Technician	-Agricultural Operations -Mechanized Marketing -Mechanized Science -Processing Operations	-Agricultural & Biological Systems Engineering -Mechanized Systems Management

ARCHITECTURE & CONSTRUCTION

This program of study prepares learners for careers in designing, planning, managing, building and maintaining the building environment. People employed in this cluster work on new structures, restorations, additions, alterations and repairs.

Pathways

- Construction
- Design/Pre-Construction
- Maintenance Operations



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics, Pre-Calculus, AP Calculus, SCIENCE: Physics, AP Physics SOCIAL STUDIES: Geography, European History BUSINESS: Career Discovery, Accounting, Marketing WORLD LANGUAGE: Spanish I-V ART: Art I-IV STEM: Introduction to Engineering, Principles of Engineering Technology Education: Intro to Drafting, Architectural Drafting, Woods I-III, Construction Trades</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Tech Ed/Skills USA</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

ARCHITECTURE & CONSTRUCTION

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
CONSTRUCTION				
-Carpentry -Iron Working -Masonry	-Carpentry -Construction Management -Electrical & Power Transmission -Iron Working	-Carpentry -Construction Management -Electrical & Power Transmission -Iron Working	-Construction Management	-Construction Management -Construction Engineering
DESIGN & PRE-CONSTRUCTION				
	-Interior Design -Surveying Technology		-Architectural Engineering Technology -Civil Engineering Technology -Interior Design -Landscape Architecture	-Architectural Engineering Technology -Civil Engineering Technology -Environmental Design -Interior Design -Landscape Architecture
MAINTENANCE & OPERATIONS				
-Electrical / Electronic Equipment, Installation & Repair -Grounds-keeping -Heating, Air Conditioning & Refrigeration Technology	-Electrical/Electronic Equipment, Installation & Repair -Grounds-keeping -Heating, Air Conditioning & Refrigeration Technology	-Electrical/Electronic Equipment, Installation & Repair -Grounds-keeping -Heating, Air Conditioning & Refrigeration Technology	-Industrial Engineering	

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Individuals that work in the AV communications industry manufacture, sell, rent, design, install, integrate, operate, and repair the equipment of audiovisual communications. Careers include designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Pathways

- Audio and Visual Technology and Films
- Journalism and Broadcasting
- Performing Arts
- Printing Technology
- Telecommunications
- Visual Arts



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics BUSINESS: Career Discovery WORLD LANGUAGE: Spanish I-V ART: Art I-IV, Photoshop MUSIC: Choir, Band, Music Appreciation, Musical Theater STEM: Introduction to Engineering, Principles of Engineering Technology Education: Intro to Drafting, Architectural Drafting, Woods I-III, Construction Trades</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Yearbook, Skills USA, Raider Review, Student Council</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
AUDIO & VIDEO TECHNOLOGY & FILM				
	-Audio & Recording -Technology Video Production	-Audio & Recording Technology -Communications Technology -Electronics -Industrial Video Production -Film/Video Technology	-Design & Visual Communications -Electrical Engineering -Film Studies & Production -Mechanical Engineering -Telecommunications Management	-Electronics Engineering
JOURNALISM & BROADCASTING				
	-Certification by the Society of Broadcast Engineers -Radio Announcing -Radio Production	-Audio & Recording Technology -Radio/TV Journalism Mass -Media/Communications -Media Arts	-Advertising -Broadcasting -Journalism -News-Editorial -Visual Communications	-Journalism
PERFORMING ARTS				
-Movie & Stage Grip -Usher & Ticket Taker -Movie Projectionist	-Musical Instrument Repair & Tuning Sound Engineering -Theater Technology	-Camera Operations -Music -Musical Instrument Repair & Tuning Sound Engineer -Sound Engineering -Theater Technology	-Arts Administration -Dance -Music -Stage Management -Theater Arts	-Music -Musical Arts
PRINTING TECHNOLOGY				
-Bookbinder & Bindery Worker -Graphic & Printing Equipment Operator	-Desktop Publishing -Digital Publishing -Graphic Communication Offset Publishing -Web Page Design	-Electronic Imaging & Graphics -Graphic Design -Media Arts -Printing Technology -Visual Publications	-Computer Graphics -Graphic Design -Industrial Design -Printing Management -Visual Communication & Design	
TELECOMMUNICATIONS				
	-Electronics Technology	-Computer & Information Sciences -Computer Systems Analysis -Electronics Technology in Telecommunications -Information Technology	-Computer Networking & Telecommunications -Electronics Engineering -Operations Technology -Telecommunications Management	-Electronics Engineering -Information Technology -Telecommunications -Engineering
VISUAL ARTS				
-Photograph Processing Worker	-Commercial Art -Digital Publishing -Graphic Art -Multimedia Photography	-Commercial Art -Graphic Design -Interior Design -Media Arts -Visual Publications	-Art History -Fashion Design -Graphic Design -Interior Design -Studio Arts -Visual Communications	-Art History -Studio Arts

BUSINESS, MANAGEMENT & ADMINISTRATION

The Business, Management and Administration Cluster prepares learners for careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Pathways

- Administrative Support
- Business Information Management
- General Management
- Human Resource Management
- Operations Management



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics, Financial Math BUSINESS: Career Discovery, Computer Applications, Intro to Business, International Business, Marketing SOCIAL STUDIES: Consumer Economics WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Yearbook, Skills USA, Student Council, Academic Decathlon, Economics Challenge Team</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

BUSINESS, MANAGEMENT & ADMINISTRATION

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
ADMINISTRATIVE SERVICES				
-Administrative Assistant -Computer Operator -Customer Service Specialist -Entry Specialist	-Court Reporting -Information Processing -Legal or Medical Information Technology -Office Administration	-Court Reporting -Information Processing -Legal of Medical Information Technology -Office Administration	-Information Systems -Information Technology Management	
BUSINESS INFORMATION MANAGEMENT				
	-Business Administration -Information Technology -Office Technology	-Business Administration -Information Technology -Office Technology	-Business Administration -Information Systems -Information Technology -Management	-Business Administration -Information Technology
HUMAN RESOURCE MANAGEMENT				
-Human Resources Clerk	-Business Administration	-Business Administration	-Human Resources Management	-Business Administration
MANAGEMENT				
	-Certified Government Auditing Professional -Certified Professional Consultant	-Agribusiness Business Administration -Marketing	-Business Administration -Entrepreneurship -Marketing -Finance -Hospital Management -International Business	-Business Administration -Management
OPERATIONS MANAGEMENT				
	-Business Administration Retail Management	-Agribusiness -Business Administration	-Business Administration -Marketing Operations -Management	-Business Administration

EDUCATION & TRAINING

This program of study prepares learners for careers in planning, managing and providing education and training services, and related learning support services such as administration, teaching/training, administrative support, and professional support services.

Pathways:

- Administrative and Administrative Support
- Professional Support Services
- Teaching and Training



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus BUSINESS: Career Discovery, Teacher Aide WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Yearbook, Skills USA, Student Council, Academic Decathlon, Economics Challenge Team, National Honor Society, FFA, Raider Review, Spanish Club</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

EDUCATION & TRAINING

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
ADMINISTRATIVE & ADMINISTRATIVE SUPPORT				
				-Educational Administration -Educational Studies -Business Administration -Administration & Supervision
PROFESSIONAL SUPPORT SERVICES				
	-Personal Trainer	-Library Technical Assistant	-Speech-Language Pathology -Social Work -Information Science & Technology -Special Education & Communication Disorders	-Educational Psychology -Human Services -Instructional Technology -School Psychology -School Counseling -Social Work
TEACHING/TRAINING				
-Child Care Worker -Coach of Community-based Sports Leagues	-Early Childhood Education -Assistant Coaching	-Early Childhood Education -Sign Language Interpreting -Education Paraprofessional	-Early Childhood Education -Elementary Education -Middle Level Education -Secondary Education -Special Education -Athletic Trainer	-Curriculum & Instruction Education -Teaching, Curriculum & Learning -Leadership Education -Leadership Studies

FINANCE

The Finance path of study prepares learners for careers in financial and investment planning, banking, insurance and business financial management. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Pathways:

- Accounting
- Banking Services
- Business Finance
- Insurance
- Securities and Investments



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus, Financial Math BUSINESS: Career Discovery, Accounting, Introduction to Business, Financial Math SOCIAL STUDIES: AP U.S. Government and Politics, Consumer Economics WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Skills USA, Academic Decathlon, Economics Challenge Team, Athletics</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

FINANCE

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
ACCOUNTING				
-Accounting Clerk -Bookkeeping Clerk	-Business Administration	-Business Administration		-Accounting -Certified Public Accountant
BANKING SERVICES				
-Bank Teller -Commodity Banker		-Business Administration	-Banking & Finance -Business Administration -Auditor	-Banking & Finance -Business Administration
BUSINESS FINANCE				
		-Business Administration -International Business -Trade & Finance	-Business Administration -Economics	-Accounting & Finance
INSURANCE				
-Customer Service Agent -Processing Clerk	-Tax Preparation	-Business Administration -Property & Casualty Insurance	-Mathematics -Statistics	-Actuarial Science
SECURITIES & INVESTMENT				
-Payroll Clerk	-Certified Financial Analyst -Certified Financial Planner	-Agribusiness Business Administration -Court Reporting -Information Technology -Office Administration -Office Technology	-Accounting Business Administration -Finance	-Business Administration -Management

GOVERNMENT & PUBLIC ADMINISTRATION

This program of study prepares learners for careers in the planning, implementation, production, management, processing and/or marketing of agricultural commodities and services. This includes food, fiber, wood products, natural resources, horticulture, and other plant and animal products. It also includes related professional, technical and educational services.

Pathways:

- Foreign Services
- Governance
- National Security
- Planning
- Public Management & Administration
- Regulation
- Revenue and Taxation



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics BUSINESS: Career Discovery, Sports and Entertainment Management SOCIAL STUDIES: European History, Consumer Economics TECHNOLOGY: Architectural Drafting WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Student Council, Academic Decathlon, Economics Challenge Team, Mathletics, Class Officer</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

GOVERNMENT & PUBLIC ADMINISTRATION

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Foreign Service				
			-International Studies -Sociology -Geography & History -International Business -Economics -Statistics	-Survey, Research & Methodology -Sociology -Economics -Statistics
GOVERNANCE				
			-Political Science -Geography -Economics -Statistics	-Political Science -Geography -Economics -Statistics -Research & Methodology
NATIONAL SECURITY				
			-Military Science -Psychology -Electrical or Computer Engineering -Foreign Language	-Survey, Research & Methodology
PLANNING				
			-Economics -Geography -Engineering	-Community & Regional Planning -Economics -Architecture -Geography -Survey, Research & Methodology
PUBLIC MANAGEMENT & ADMINISTRATION				
			-Actuarial Science -Management -Business Administration -Economics -Statistics	-Public Administration -Survey, Research & Methodology -Actuarial Science -Management -Economics -Statistics
REGULATION				
			-Food Science & Technology -International Business -Economics -Statistics	-Survey, Research & Methodology -Food Science -Technology -Economics -Statistics
REVENUE & TAXATION				
			-Accounting -Economics -Finance -Actuarial Science Statistics	-Accounting -Economics -Finance -Actuarial Science -Family Financial Planning -Research & Methodology

HEALTH SCIENCE

The Health Science program of study connects individuals to a large variety of health care areas that is characterized by diversity and changing technologies. Health Science careers include planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. There are obvious connections between Health Sciences and other programs of study.

Pathways:

- Biotechnology Research & Development
(Agriculture, Food and Natural Resources; STEM)
- Diagnostic Services
(Information Technology/Computing)
- Health Informatics
(Business, Management, Administration; Law Public Safety, Corrections, Security; STEM)
- Support Services
(Human Services; STEM)
- Therapeutic Services
(Human Services; STEM)



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics, Pre-Calculus, Calculus BUSINESS: Career Discovery SCIENCE: Chemistry, Advanced Chemistry, Physics, AP Physics, Advanced Biology SOCIAL STUDIES: Consumer Economics, Social Problems, Introduction to Law PHYSICAL EDUCATION: PE 9, Lifetime Fitness, Advanced Strength and Conditioning WORLD LANGUAGE: Spanish I-V HEALTH CARE: Medical Terminology</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Student Council, Academic Decathlon, Mathletics, Class Officer</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

HEALTH SCIENCE

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
BIOTECHNOLOGY RESEARCH AND DEVELOPMENT				
	-Quality Assurance Technician -Quality Control Technician	-Clinical Laboratory -Medical Laboratory -Technician (CLT) -Technician (MLT)	-Biochemistry -Immunology -Medical Technology -Microbiology -Neuroscience	-Anatomy -Biochemistry -Oncology -Biology -Virology -Epidemiology
DIAGNOSTIC SERVICES				
-Clinical Rotation	-Electrocardiograph Technology -Nuclear Medical Technology -Radiology Technologist	-Cardiovascular Technologist -Medical Laboratory Assisting -Nuclear Medical Technology	-Biology -Medical Imaging Technology -Medical Laboratory Science -Nutrition	-Cardiovascular Technology -Diagnostic Radiology -Medical Laboratory Science -Nuclear Medicine
HEALTH INFORMATICS				
-Coding Experience -Data Entry -Community Service	-Health Records Technology -Medical Assisting -Medical Librarian -Medical Transcription	-Health Information -Technology Medical Coding -Medical Office Services	-Community Health -Health Care Administration -Health Education	-Health Care Administration -Library Science -Nursing Administration -Public Health
SUPPORT SERVICES				
-Central Services Assistant -Dietary Manager -Electrical/Electronic Equipment Repair	-Dietary Management -Electrical/Electronic Equipment Repair -Medical Office Management	-Dietary Management -Medical Office Management -Registered Dietetic Technician	-Biomedical Technology -Environmental Health & Safety -Prosthetic Therapies	-Environmental Health Sciences -Industrial/Operations Engineering -Public Health
THERAPEUTIC SERVICES				
-Clinical Rotation -Dental Assisting -Health Aide -Medical Assistant	-Certified Nurse's Aide -Dental Assisting -Licensed Practical Nurse -Massage Therapy	-Dental Hygiene -Licensed Practical Nursing -Pre-Medicine -Surgical Technology	-Athletic Training/Exercise Science -Dietetics -Pre-Medicine -Recreational Therapy	-Clinical Nutrition -Dentistry -Medicine -Nurse Anesthetist -Pharmaceutical Services

HOSPITALITY AND TOURISM

The Hospitality and Tourism program of study prepares learners for careers in the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel-related services. Hospitality operations are located in communities throughout the world.

Pathways:

- Lodging
- Recreation, Amusements, and Attractions
- Restaurant and Food/Beverage Services
- Travel and Tourism



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics BUSINESS: Career Discovery, Marketing, Hospitality Management, Introduction to Business, Sports and Entertainment Marketing SOCIAL STUDIES: Consumer Economics, European History, Introduction to Law WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Student Council, Academic Decathlon, Mathletics, Class Officer</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

HOSPITALITY AND TOURISM

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
LODGING				
-Bell Captain -Guestroom Attendant -Reservationist	-Hotel Management	-Hotel Management	-Business Administration -Lodging Management -Sales and Marketing	
RECREATION, AMUSEMENTS & ATTRACTIONS				
- Museums/Zoo/Aquarium Docent -Resort Instructor -Theme Parks Retail Manager			-Business Administration -Management -Recreation, Fitness and Leisure Studies -Sports & Fitness Management	-Business Administration
RESTAURANT AND FOOD/BEVERAGE SERVICES				
-Cook -Dishwasher -Wait Staff	-Culinary Arts and Management -Dietary Management -Food Services / Hospitality -Food Service Management		-Food Service/Hospitality -Food Service Management -Hospitality Management -Restaurant and Food Service -Administration -Travel and Tourism	-Restaurant/Food Service -Administration
TRAVEL AND TOURISM				
-Event Planner -Ticket Agent -Tour Guide -Travel Agent	-Business Administration -Travel & Tourism	-Business Administration -Sales and Marketing -Travel & Tourism	-Business Administration -Marketing -Operations Management	-Business Administration

HUMAN SERVICES

This program of study prepares individuals for employment in career pathways related to families and human needs including counseling and mental health services, family and community services, personal care, and consumer services.

Pathways:

- Early Childhood Development Services
- Counseling & Mental Health Services
- Family & Community Services
- Personal Care Services
- Consumer Services



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics BUSINESS: Career Discovery SCIENCE: Advanced Biology SOCIAL STUDIES: AP U.S. Government and Politics, Area Studies, Intro to Law WORLD LANGUAGE: Spanish I-V HEALTH CARE: Medical Terminology MUSIC: Choir, Band, Vocal Jazz, Music Appreciation, Musical Theater</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Mathletics</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

HUMAN SERVICES

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
CONSUMER SERVICES				
-Call Center -Customer Service	-Certified Financial Planner -Wellness		-Family Science -Family Financial Management -Human Services -Business Administration	-Family Science -Human Services -Business Administration
COUNSELING & MENTAL HEALTH SERVICES				
		-Human Services -Chemical Dependency Counselor	-Human Services -Psychology -Social Work -Human and Social Services Administration	-Marriage & Family Therapy -Early Childhood Education -Special Education and Communication Disorders
EARLY CHILDHOOD DEVELOPMENT & SERVICES				
	-Nanny -Parenting	-Early Childhood Education	-Family Science -Special Education and Communication Disorders	-Child Development -Early Childhood Education -Special Education and Communication Disorders
FAMILY & COMMUNITY SERVICES				
	-Para-educator -Family Life Specialist -Spirituality -Biblical Studies	-Human Services -Theology	-Human Services -Psychology -Nutrition, Fitness and Health Promotion -Gerontology -Family Science -Social Work	-Family Science -Psychology -Social Work -Human Services
PERSONAL CARE SERVICES				
	-Barbering -Cosmetology -Esthetics -Massage Therapy	-Mortuary Science -Cosmetology	-Pre-Mortuary Science	

INFORMATION TECHNOLOGY

The Information Technology/Computing program of study involves the design, development, support and management of hardware, software, multimedia and systems integration services. In addition to careers in the IT industry, IT careers are available in every sector of the economy – from Financial Services to Medical Services, Business to Engineering and Environmental Sciences.

Pathways:

- Information Support and Services
(Arts, AV Technology, and Communications; STEM)
- Network Systems
(STEM)
- Programming and Software Development
(Manufacturing, STEM)
- Web and Digital Communications
(Arts, AV Technology, and Communications; STEM, Marketing)



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics, Pre-Calculus BUSINESS: Career Discovery, Computer Applications, Computer App & Game Programming SCIENCE: Physics, AP Physics ART: Art I-IV, Photoshop STEM: Introduction to Engineering, Principles of Engineering, Digital Electronics WORLD LANGUAGE: Spanish I-V HEALTH CARE: Medical Terminology MUSIC: Choir, Band, Vocal Jazz, Music Appreciation, Musical Theater</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Mathletics, Yearbook, Raider Review</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

INFORMATION TECHNOLOGY

Career Types by Pathway

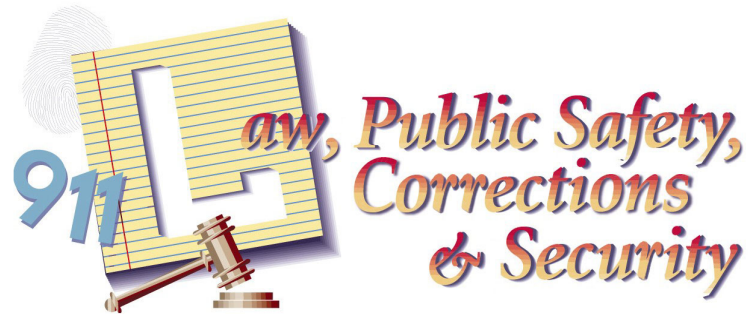
HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
INFORMATION SUPPORT AND SERVICES				
-Help Desk Assistant	-Electronics Technician -Information Technology -Microsoft Certified -Database Administrator -Microsoft Office Specialist -Oracle Certified Professional	- Helpdesk/Microcomputer Support -Information Technology -Computer Information Systems Database Supports -Technical Support	-Computer Information Systems Management -Information Systems -Mass Communications / Media Studies -Web/Multimedia Management	-Computer Information Systems -Computer Science Management -Information Systems
NETWORK SYSTEMS				
-Network Technician	-Cisco Training -Electronics Technology -Informational Technology -Microsoft Certified Systems Engineer Certification	-Computer and Information Sciences -Computer Technology -Electronics Technology -Information Technology -Networking Technology	-Computer Science -Computer Engineering -Computer Systems Analysis -Management Information Systems -Telecommunications Management	-Computer Science -Computer Engineering -Information Technology -Telecommunications Engineering
PROGRAMMING AND SOFTWARE DEVELOPMENT				
	-Information Technology -Computer Programming -Vendor/Product Certification	-Computer Programming -Computer Programming Technology -Computer Technology -Information Technology	-Computer Information Systems -Computer Programming -Computer Software Engineering -Computer Science -Management Info Systems	-Computer Programming -Computer Science -Information Resource Management -Information Technology -System Administration
WEB AND DIGITAL COMMUNICATIONS				
-Web Designer	-Animation -Information Technology -Multimedia -Certified Professional Webmaster	-Electronic Imaging -Information Technology Interactive Media -Media Arts -Web Development and Support	-Commercial Art -Computer Information Sciences -Design and Visual Communication -Multimedia Communication	-Computer Science

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

The Law, Public Safety, Corrections and Security program of study helps prepare students for careers in planning, managing, and providing legal, public safety, protective services and homeland security including professional and technical support services.

Pathways:

- Correction Services
- Emergency and Fire Management Services
- Law Enforcement Services
- Legal Services
- Security and Protective Services



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus BUSINESS: Career Discovery, Computer Applications SOCIAL STUDIES: Introduction to Law, AP U.S. Government and Politics ART: Art I-IV, Photoshop STEM: Introduction to Engineering, Principles of Engineering, Digital Electronics WORLD LANGUAGE: Spanish I-V PHYSICAL EDUCATION: PE 9, Lifetime Fitness, Advanced Strength and Conditioning HEALTH CARE: Medical Terminology MUSIC: Choir, Band, Vocal Jazz, Music Appreciation, Musical Theater</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, National Honor Society, Academic Decathlon, Student Council, Class Officer</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
CORRECTION SERVICES				
-Correctional Officer -Security Officer	-Criminal Justice	-Criminal Justice --Corrections Option --Parole Option --Probations Option	-Human Services -Criminal Justice -Social Work -Pre-Law	-Law and Legal Services -Criminal Justice
EMERGENCY AND FIRE MANAGEMENT SERVICES				
-Police, Fire and Ambulance Dispatch -Volunteer Fire Fighter	-Emergency Medical Technician (EMT) Basic / Intermediate Paramedic -Emergency Management -Fire Science Technology -Hazardous Waste Technician	-Emergency Medical Technician (EMT) -Fire Protection -Fire Science Technology	-Emergency Medical Services	
LAW ENFORCEMENT SERVICES				
-Animal Control -Parking Enforcement	-Criminal Justice	-Administrative Assistant - Legal Paralegal / Legal Assistant -Criminal Justice --Court Emphasis	-Paralegal Studies -Pre-Law / Legal Studies -Criminal Justice	-Law and Legal Studies -Criminal Justice
SECURITY AND PROTECTIVE SERVICES				
		-Criminal Justice / Law Enforcement -Law Enforcement	-Criminal Justice -Law and Legal Studies	-Criminal Justice

MANUFACTURING

The Manufacturing program of study focuses on planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Pathways:

- Health, Safety & Environmental Assurance
- Logistics & Inventory Control
- Maintenance, Installation & Repair
- Manufacturing Production Process Development
- Production
- Quality Assurance



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus BUSINESS: Career Discovery, Computer Applications SOCIAL STUDIES: Introduction to Law, AP U.S. Government and Politics ART: Art I-IV, Photoshop STEM: Introduction to Engineering, Principles of Engineering, Digital Electronics WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, National Honor Society, Academic Decathlon, Student Council, Class Officer</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

MANUFACTURING

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
HEALTH, SAFETY AND ENVIRONMENTAL ASSURANCE				
	-Occupational Safety & Health	-Environmental Engineering Technology -Environmental Studies -Occupational Safety & Health	-Environmental Engineering -Environmental Studies -Occupational Safety & Health	-Environmental Biology -Environmental Studies -Occupational Safety & Health
LOGISTICS AND INVENTORY CONTROL				
-Heavy Equipment Operation -Industrial Truck and Tractor Operation -Material Handling	-Truck Driving	-Logistics and Materials Management -Industrial Truck and Tractor Operation -Transportation, Distribution & Logistics	-Logistics & Materials Management -Industrial Truck and Tractor Operations -Transportation, Distribution & Logistics	-Logistics & Materials Management
MAINTENANCE, INSTALLATION AND REPAIR				
-Business Machine Technology -Custodial Services -Electronics Technology	-Computer Installation & Repair -Electronics Technology -Industrial Mechanics	-Diesel Technology -Manufacturing Technology -Mechanical Engineering Technology -Industrial Technology	-Biomedical Technology -Manufacturing Technology -Mechanical Engineering Technology	
MANUFACTURING PRODUCTION PROCESS DEVELOPMENT				
-Construction Trades	-Construction Trades	-Architectural Engineering Technology -Automotive Engineering Technology -Drafting & Design Technology	-Architectural Engineering -Civil Engineering -Computer Engineering	-Architecture -Civil Engineering -Construction Management & Inspection -Transportation and Highway Engineering
PRODUCTION				
-Iron Working -Precision Production -Upholstering and Leather Working -Woodworking	-Iron Working -Precision Production -Upholstering and Leather Working -Welding	-Building Construction -Electrical and Electronics Engineering Technology -Iron Working	-Computational Mathematics -Electrical and Electronics Engineering Technology -Operations Management	-Computational Mathematics -Operations Management
QUALITY ASSURANCE				
	-Quality Control Technology	-Occupational Safety and Health -Quality Control Technology	-Occupational Safety and Health -Quality Control Technology	-Occupational Safety and Health

MARKETING

The Marketing program of study prepares learners for careers in planning, managing and performing marketing activities to reach organizational objectives.

Pathways:

- Marketing Management
- Professional Sales
- Merchandising
- Marketing Communications
- Marketing Research



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus, Financial Math BUSINESS: Career Discovery, Computer Applications, Marketing, Sports and Entertainment Marketing SOCIAL STUDIES: Area Studies, AP U.S. Government and Politics ART: Art I-IV, Photoshop TECHNOLOGY: Photoshop in Tech Ed WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Mathletics</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

MARKETING

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
MARKETING COMMUNICATIONS				
	-Practitioners -Public Relations	-Business -Marketing -Small Business Management	-Business Administration -Communication -Management -Marketing -Public Relations	-Master of Business Administration -Master of Marketing
MARKETING MANAGEMENT				
-Industry and Trade Association Programs -Conferences -Seminars		-Business Administration -Entrepreneurship -Management -Marketing -Small Business Management	-Business Administration -Management -Marketing	-Master of Business Administration -Master of Marketing
MARKETING RESEARCH				
	-Product Vendors -Professional and Technical Organizations -Software Firms	-Business -Continued Education for Rapid Technological Advances -Marketing	-Business Administration -Economics -Information Science -Information Systems Management -Marketing	-Master of Business Administration -Master of Marketing
MERCHANDISING				
		-Business -Administration Business -Marketing -Merchandising -Sales -Customer Service -Small Business Management	-Business Administration -Management	-Master of Business Administration
PROFESSIONAL SELLING				
	-Management	-Business -Administration Business -Customer Service -Marketing -Retail Management -Sales -Small Business Management	-Business Administration -Management -Marketing	-Master of Business Administration -Master of Marketing

STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATH)

The STEM program of study prepares learners for careers in designing, planning, managing, building and maintaining the building environment.

Pathways

- Engineering & Technology
- Science & Math



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus, AP Calculus, Financial Math BUSINESS: Career Discovery, Computer Applications, Marketing, Sports and Entertainment Marketing SCIENCE: Advanced Chemistry, Advanced Biology, Physics, AP Physics SOCIAL STUDIES: Area Studies, AP U.S. Government and Politics STEM: Digital Electronics, Introduction to Engineering, Principles of Engineering, TECHNOLOGY: Photoshop in Tech Ed, Manufacturing, Construction Trades, Woods, Metals WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>Skills USA, Mathletics</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATH)

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
SCIENCE AND MATHEMATICS				
		-Biology -Chemistry -Laboratory Science Technology -Medical Laboratory Technology	-Chemistry -Economics -Mathematics -Molecular Biology -Physics	-Biochemistry -Biological Sciences -Chemistry -Physics and Astronomy -Statistics
ENGINEERING AND TECHNOLOGY				
	-Industrial Technology	-Architectural Design Technology -Civil Engineering Technology -Industrial Technology -Surveying and Computer Aided Drafting (CAD)	-Agricultural Engineering -Biological Systems Engineering -Chemical Engineering -Construction -Engineering Technology -Industrial Engineering	-Agricultural and Biological Systems -Architectural Engineering -Chemical Engineering -Civil Engineering -Mechanical Engineering

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

This program of study exposes students to careers and businesses involved in the planning, management and movement of people, materials and products by road, air, rail and water. It also includes related professional and technical support services such as infrastructure planning and management, logistic services, and the maintenance of mobile equipment and facilities.

Pathways:

- Facility and Mobile Equipment Maintenance
- Health, Safety and Environmental Management
- Logistics, Planning and Management Services
- Sales and Services
- Transportation Operations
- Transportation/Systems Infrastructure Planning Management and Regulations
- Warehousing and Distribution Center Operations



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus, Financial Math BUSINESS: Career Discovery, Computer Applications SCIENCE: Physics SOCIAL STUDIES: Area Studies, AP U.S. Government and Politics, Consumer Economics STEM: Digital Electronics, Introduction to Engineering, Principles of Engineering, WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Student selected via Youth Options / Course Options.</p>
<p>STUDENT ORGANIZATIONS</p>	<p>Skills USA, Athletics</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
FACILITY & MOBILE EQUIPMENT MAINTENANCE				
-Auto Body Repair -Automotive and Diesel Technology	-Auto Body Repair -Auto Mechanics -Aviation Airframe Maintenance -Industrial Maintenance -Electronics	-Aeronautical and Aerospace Engineering Technology -Automotive Technology -Aviation Airframe Technology -Electronic Technology	-Engineering -Industrial Engineering -Mechanical Engineering	-Industrial and Management Systems Engineering -Mechanical Engineering
HEALTH, SAFETY, & ENVIRONMENTAL MANAGEMENT				
	-Business	-Business Administration -Industrial Technology -Logistics and Materials Management	-Business Administration -Industrial Distribution -Industrial Technology -Management Technology -Operations Management -Logistics and Material Management	-Engineering Management -Industrial and Management Systems Engineering -Operations Management
SALES AND SERVICE				
-Cashier -Customer Service -Travel Agent	-Desktop Publishing -Entrepreneurship -Parts, Sales and Management -Travel Services	-Business Marketing -Marketing Management -Parts, Sales and Management	-Advertising -Business -Marketing	-Advertising -Business -Marketing
TRANSPORTATION OPERATIONS				
-Taxi Driving -Locomotive Engineering -Bus Driving -Truck Driving	-Air Traffic Control -CDL Driver Training Class A, B -Commercial Pilot and Flight Crew Training -Vehicle and Equipment Operations	-Air Traffic Control -Commercial Pilot and Flight Crew Training	-Air Traffic Control	
TRANSPORTATION SYSTEMS, INFRASTRUCTURE, PLANNING, MANAGEMENT & REGULATION				
		-Civil Engineering -Surveying & CAD	-Aviation Systems -Management Civil Engineering -Maritime Studies -Naval Architecture and Marine Engineering	-Civil Engineering -Engineering Management -Naval, Architecture and Marine Engineering
WAREHOUSING & DISTRIBUTION CENTER OPERATIONS				
-Shipping and Receiving -Storage and Distribution	-CDL Driver Training Class A, B -Forklift Training	-Business -Logistics and Materials Management -Warehouse Management	-Business -Logistics and Material Management	-Logistics and Material Management

COURSE OFFERINGS

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HIGH SCHOOL COURSES

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- Art.....	47
- Business Education.....	49
- English.....	54
- Mathematics.....	56
- Music.....	58
- Physical Education.....	60
- Science.....	62
- Social Studies.....	64
- STEM.....	67
- World Language.....	71
- Driver Education.....	72

COLLEGE LEVEL WORK

	ADVANCED PLACEMENT	DUAL CREDIT	EARLY COLLEGE CREDIT PROGRAM	START COLLEGE NOW - TECHNICAL
DESCRIPTION	AP courses provide exposure to college level coursework. Success on AP coursework is a good indication of college readiness.	Dual Credit allows high school students to earn college credits and save money on tuition while still in high school. Dual Credit is an arrangement where you can earn both high school and college credit.	The ECCP statute allows WI public and private high school students to take one or more courses at an institution of higher education for high school and/or college credit. If approved by the school board, the student can receive both high school and college credit upon successful completion of the course.	Start College Now will allow high school students the opportunity to take college courses at any WI Technical Colleges either full- or part-time. Students who have completed 10th grade with good academic standing, met any course prerequisites, have written approval from parent or guardian, and have no history of disciplinary problems may be admitted.
LOCATION	Marathon High School	Courses are taught at Marathon High School.	At participating WI Colleges or online through UW Learning Extensions.	Courses are offsite at the educational institution or online.
TAUGHT BY	Marathon High School teachers	College-certified high school instructors.	College Professor	Teacher or college professor depending on the site.
REQUIREMENTS	AP courses require a minimum grade in course prerequisites and also teacher recommendation. It is highly recommended that students take the AP exam in May. Students are able to take an AP exam without being enrolled in an AP course if they feel they can independently prepare.		Maximum of 18 credits allowed through ECCP. Admission requirements are set by the provider awarding credit. Application MUST be filled out by October 1 for Spring semester and March 1 for fall semester. Course may NOT be offered at MHS.	The courses must be approved by the student's resident district and the receiving educational institution. Students must meet the same criteria as other students in the receiving educational institution to take the course(s).
GRADES & CREDIT OPPORTUNITY	A student's grade is based on class performance; however the ability for credit transfer is based on their AP exam score. Typically, scores of 3 or above (1-5 scale) are considered passing.	Earn credits and your college transcript: Students who complete Dual Credit in high school may obtain either an official or unofficial transcript from NTC.	College courses taken by high school students become part of the permanent University record and may affect subsequent admission to post-secondary institutions.	Grades are earned through the college awarding credit. Prior to starting the course, each student is officially admitted to the post-secondary institution. Credit transfer is at the sole-discretion of your selected post-secondary institution.
COST	The 2019 cost per AP exam is \$94. The College Board dictates the cost per year.	None	None, but supplies may need to be purchased by the student for the course. Transportation is <u>not</u> provided. Student will reimburse school if course is dropped or failed.	None, but students may be charged additional tuition and fees for courses eligible for college credits. Transportation is <u>not</u> provided. Student will reimburse school if course is dropped or failed.

CREDIT REQUIREMENTS

Admission requirements fluctuate widely with different opportunities after high school. The chart below gives students an example of what some post-secondary institutions require. As part of their Academic & Career Planning process and prior to selecting courses, students are encouraged to review requirements for the opportunity they wish to pursue.

	Marathon High Graduation Requirements	UW-MADISON Requirements	ACT Core Curriculum Recommendation	WI Technical Colleges Admission Suggestions
ENGLISH	4.0 credits	4.0 credits	4.0 credits <i>(1 Communication Arts)</i>	4.0 credits
MATHEMATICS	3.0 credits	4.0 credits <i>(Statistics, business math, and computer classes do not apply.)</i>	3.0 credits <i>(Algebra I, Geometry & Algebra II)</i>	3.0 credits
SCIENCE	3.0 credits <i>(including 1 physical science and 1 biology)</i>	4.0 credits	3.0 credits <i>(Biology, Chemistry, Physics)</i>	3.0 credits
SOCIAL STUDIES	3.0 credits <i>(Including 1 credit of US History and 0.5 credit of American Government). All Graduates will need to pass a Civics Assessment to graduate.</i>	4.0 credits	3.0 credit	3.0 credits
PHYSICAL EDUCATION	1.5 credits <i>(WI requirement – credits do not count toward graduation requirement)</i>			
HEALTH	0.5 credits <i>(Grade 7-12 WI Requirement)</i>			
WORLD LANGUAGE		3.0 - 4.0 credits		
FINE ART		2.0 credits <i>(of additional fine arts/academic credits)</i>		
BUSINESS	0.5 credits <i>(Personal Finance)</i>			
ELECTIVES	7.5 credits		<i>Some colleges/universities require other courses as prerequisites to admission such as 2+ years of world language or courses in the arts, computer science, etc.</i>	3.0 credits <i>(Can include ECCP, Start College Now and/or transcribed credit courses)</i>
TOTAL	21 credits			

HIGH SCHOOL 4-YEAR COURSE PLAN

<i>COURSE PLANNING</i>				
Freshman Year	Semester I	Cr.	Semester II	Cr.
	English 9	0.5	English 9	0.5
	Math:	0.5	Math:	0.5
	General Science	0.5	General Science	0.5
	US History: Great Wars	0.5	US History: World Superpowers	0.5
	Physical Education 9	---	Health	---
	TOTAL			TOTAL
Sophomore Year	Semester I	Cr.	Semester II	Cr.
	English 10	0.5	English 10	0.5
	Math:	0.5	Math:	0.5
	Science:	0.5	Science:	0.5
	Social Studies:	0.5	Social Studies:	0.5
	PE:	---		
	TOTAL			TOTAL
Junior Year	Semester I	Cr.	Semester II	Cr.
	English:	0.5	English:	0.5
	Math:	0.5	Math:	0.5
	Science:	0.5	Science:	0.5
	Social Studies:	0.5	Social Studies:	0.5
	PE:	---	Personal Finance	0.5
	TOTAL			TOTAL
Senior Year	Semester I	Cr.	Semester II	Cr.
	English:	0.5	English:	0.5
	TOTAL			TOTAL

COURSE SELECTION OPTIONS

Course Name	Grade(s)				Credit	Semester/Year
	9	10	11	12		
ENGLISH						
English 9	*				1.0	year
English 10		*			1.0	year
English 11			*		1.0	year
AP Literature & Composition			*	*	1.0	year
English 12				*	1.0	year
CAPP English 101 (<i>ECCP</i>)				*	0.75	semester
Business Issues & Communications	*	*	*	*	0.5	semester
Oral Communication				*	0.5	semester
MATHEMATICS						
Pre-Algebra	*	*			1.0	year
Algebra	*	*	*		1.0	year
Geometry	*	*	*	*	1.0	year
Algebra II		*	*	*	1.0	year
Statistics		*	*	*	0.5	semester
Pre-Calculus			*	*	1.0	year
Financial Math			*	*	1.0	year
AP Calculus				*	1.0	year
SCIENCE						
General Science	*				1.0	year
General Biology		*			1.0	year
Biology		*			1.0	year
Chemistry		*	*	*	1.0	year
Advanced Biology			*	*	1.0	year
Advanced Chemistry			*	*	1.0	year
Physics			*	*	1.0	year
AP Physics			*	*	1.0	year
Integrated Science			*	*	1.0	year
Medical Terminology (<i>Dual Credit 11 & 12</i>)			*	*	0.75	semester
SOCIAL STUDIES						
U.S. History: The Great Wars	*				0.5	semester
U.S. History: World Superpower	*				0.5	semester
Area Studies	*	*			0.5	semester
Great Civilizations	*	*	*	*	0.5	semester
American Government		*	*	*	0.5	semester
Social Problems			*	*	0.5	semester
Introduction to Law (<i>Not available 2019-2020</i>)			*	*	0.5	semester
European History		*	*	*	0.5	semester
Consumer Economics			*	*	0.5	semester
Vietnam			*	*	0.5	semester
World War II			*	*	0.5	semester
AP U.S. Government and Politics			*	*	0.5	semester

COURSE SELECTION OPTIONS

Course Name	Grade(s)				Credit	Semester/Year
	9	10	11	12		
AGRISCIENCE						
Food Science Technology	*	*	*	*	0.5	semester
Greenhouse Management	*	*	*	*	0.5	semester
Horticulture and Plant Science	*	*	*	*	0.5	semester
Animal Science <i>(Dual Credit 11& 12)</i>	*	*	*	*	0.5	semester
Advanced Animal Science <i>(Dual Credit 11 & 12)</i>		*	*	*	0.5	semester
Conservation and Natural Resources		*	*	*	0.5	semester
Agribusiness Management and Marketing			*	*	0.5	semester
ART						
Art 1	*	*	*	*	0.5	semester
Art 2	*	*	*	*	0.5	semester
Ceramics 1	*	*	*	*	0.5	semester
Ceramics 2	*	*	*	*	0.5	semester
Painting 1	*	*	*	*	0.5	semester
Painting 2	*	*	*	*	0.5	semester
Sculpture 1	*	*	*	*	0.5	semester
Sculpture 2	*	*	*	*	0.5	semester
Portfolio Workshop			*	*	0.5	semester
Photography <i>(Dual Credit 11 & 12)</i>			*	*	0.5	semester
BUSINESS						
Computer Applications	*	*	*	*	0.5	semester
Computer App and Game Programming	*	*	*	*	0.5	semester
Hospitality Management	*	*	*	*	0.5	semester
International Business	*	*	*	*	0.5	semester
Introduction to Business	*	*	*	*	0.5	semester
Marketing <i>(Dual Credit 11 & 12)</i>	*	*	*	*	0.5	semester
Webpage Design	*	*	*	*	0.5	semester
Introduction to Information Technology	*	*	*	*	0.5	semester
Accounting <i>(Dual Credit 11 & 12)</i>		*	*	*	1.0	year
Sports and Entertainment Management		*	*	*	0.5	semester
Computer Hardware Fundamentals 1 <i>(Dual Credit)</i>			*	*	0.5	semester
Entrepreneurship <i>(ECCP)</i>			*	*	0.75	semester
Advanced Accounting <i>(Dual Credit)</i>			*	*	1.0	year
Career Discovery			*	*	0.5	semester
Personal Finance			*	*	0.5	semester
Youth Apprenticeship			*	*	1.0	year
Work Study			*	*	1.0	year
Teacher Aide			*	*	1.0	year
PHYSICAL EDUCATION						
Physical Education 9	*				0.5	semester
Lifetime Fitness		*	*	*	0.5	semester
Advanced Strength & Conditioning		*	*	*	0.5	semester

Course Name	Grade(s)				Credit	Semester/Year
	9	10	11	12		
STEM						
Architectural Drafting (<i>Dual Credit 11 & 12</i>)		*	*	*	0.5	semester
Introduction to Drafting (<i>Dual Credit 10- 12</i>)		*	*	*	0.5	semester
Manufacturing	*	*	*	*	0.5	semester
Woods I	*	*	*	*	0.5	semester
Woods II	*	*	*	*	0.5	semester
Woods III (<i>Dual Credit 10-12</i>)		*	*	*	0.5	semester
Small Engines	*	*	*	*	0.5	semester
Metals I	*	*	*	*	0.5	semester
Metals II	*	*	*	*	0.5	semester
Metals III (<i>Dual Credit 11 & 12</i>)		*	*	*	0.5	semester
Photoshop Tech (<i>Dual Credit 11 & 12</i>)			*	*	0.5	semester
Construction Trades			*	*	0.5	semester
Welding	*	*	*	*	0.5	semester
Introduction to Engineering	*	*	*	*	1.0	year
Principles of Engineering		*	*	*	1.0	year
Digital Electronics		*	*	*	1.0	year
AP Computer Science A		*	*	*	1.0	year
WORLD LANGUAGE						
Spanish I	*	*	*	*	1.0	year
Spanish II	*	*	*	*	1.0	year
Spanish III		*	*	*	1.0	year
Spanish IV			*	*	1.0	year
Spanish V				*	1.0	year
MUSIC						
Band	*	*	*	*	1.0	year
Concert Choir	*	*	*	*	1.0	year
Marathon Singers	*	*	*	*	1.0	year

Food Science Technology

AGR103

0.5 Credit

Elective 9-12

As global population continues to grow, many young people and adults are unaware of how the world meets its most basic daily requirement - the need for food. Along the path from farm to consumer, the safety of our food can be affected at each step in our food delivery system. Food science benefits consumers every day with healthier diets, better tasting affordable foods, and increased food safety. Topics covered include the importance of food in our society, learning to interpret food labels, food microbiology, and chemistry of cooking, and food physics. Lab exercises and projects include processing food and testing various components of food, developing a new food product and a science cookbook.

Agribusiness Management & Mktg.

AGR301

0.5 Credit

Elective 11-12

This advanced course deals with methods of doing business, agribusiness record keeping, budgeting, career planning, use of computers in agriculture, farm law, futures contracts, marketing distribution, promotion, pricing, advertising and government regulations. Each student will manage a farm or small business using a game simulation and participate in a nationwide Commodity Marketing Challenge.

BUSINESS & INFORMATION TECHNOLOGY
0.5 Credit Required for Graduation – Personal Finance

Course Name	Credit	Course #	Grade Levels			
			9	10	11	12
Business Courses						
Introduction to Business	0.5/sem	BUS201	X	X	X	X
Hospitality Management	0.5/sem	BUS202	X	X	X	X
International Business	0.5/sem	BUS203	X	X	X	X
Web Page Design	0.5/sem	BUS204	X	X	X	X
Career Discovery	0.5/sem	BUS205			X	X
Computer Applications	0.5/sem	BUS206	X	X	X	X
Personal Finance - Required	0.5/sem	BUS207			X	X
Accounting	1.0/year	BUS300/301		X	X	X
Advanced Accounting	1.0/year	BUS302/303			X	X
Teacher Aide	1.0/year	CTE201			X	X
Work Study	1.0/year	CTE202			X	X
Youth Apprenticeship	1.0/year	CTE203			X	X
Marketing	0.5/sem	BUS208	X	X	X	X
Sports & Entertainment Management	0.5/sem	BUS209		X	X	X
Entrepreneurship	0.75/sem	BUS210			X	X
Computer App & Game Programming	0.5/sem	CMP201	X	X	X	X
Introduction to Information Technology	0.5/sem	CMP202	X	X	X	X
Computer Hardware Fundamentals 1	0.5/sem	CMP203			X	X

BUSINESS COURSES

Introduction to Business BUS201 0.5 Credit Elective 9-12

This semester course is offered to students beginning at the Freshmen level to introduce them to the U.S. economic environment and characteristics of various types of business. This course includes additional topics like business and government in a global economy, technology in business, social and ethical issues and various other aspects of consumer issues relating to the business world. Students will also participate in a business community simulation and run their “own business.”

Hospitality Management BUS202 0.5 Credit Elective 9-12

This course covers the growth and progress of the hospitality industry. Students will learn the concepts of the hospitality industry through a simulation focusing on running a hotel and a simulation focusing on running a restaurant. Topics covered in this class include: Pricing & Revenue Management, Group Sales, Public Relations, Customer Service, Social Media Feedback, Restaurant & Culinary Operations, Banquets & Meetings Operations, Financial Reports, Menu Design, amongst other Management and Marketing topics.

Prerequisite: Introduction to Business

International Business BUS203 0.5 Credit Elective 9-12

We do not live in a regional or national marketplace, but in an International Market. We need to understand the importance of culture, social, and economic systems, and global business concepts and problems. We also need to know how our government encourages and discourages global business. This course will help you how the United States economy interacts and is affected by business conducted in other parts of the world. **Prerequisite:** Introduction to Business

Web Page Design BUS204 0.5 Credit Elective 9-12

Students use the world wide web every day, but do they know why? What is the purpose of the web, and how do the websites I interact with come to be. In web design, students will be interacting with the structure, purpose, and design strategies behind websites. Students will use web based software like WIX to create website designs that not only look great, but serve a purpose to their user. They will be using marketing strategies to understand the purpose of website design to sell products, as well as influence culture. Students will also be learning the building blocks of web language through basic HTML and CSS structure and function. Students will even try their hands at writing code to create a website. This course is for the student who wants to learn basic computer language, as well as the artistic student who wants to design their own high level projects without the coding skills.

Career Discovery BUS205 0.5 Credit Elective 11-12

This class is a must for any individual looking to gain an edge on the competition when looking for a job. Students will learn how to create a resume, cover letter, job application, reference page, and thank you letter. Using Career Cruising, students will explore their interests and create an electronic portfolio. Mock interviews will be conducted and students will have the opportunity to job shadow a work site of interest. It is strongly suggested that any student wishing to enroll in a School-To-Career program will have completed this class.

Computer Applications BUS206 0.5 Credit Elective 9-12

In this class students will learn how to use the four main components of Microsoft: Word (word processing), Excel (spreadsheets), Access (database), and PowerPoint (presentations). All students will have to use these programs at some point in their life whether it is at school, work, or for personal use. This class will show students how to use these programs in an effective way, in "real life" scenarios.

Personal Finance BUS207 0.5 Credit **Required 11-12**

No other course in the curriculum is more relevant to students or more deeply rooted in the real world than consumer and personal finance education. Personal Finance enables students to understand enough economics to make reasoned judgments about the economic issues and policies that students will face as members of a democratic society. Students will use a computer simulation to find a job, budget and save, find an apartment, buy a car, shop, choose and balance a checking account, get a credit card, fix your credit, use online banking, pay your taxes, intro to investing, risk vs. return, diversification, investing for retirement, buying a home, and insurance.

Marketing BUS208 0.5 Credit Elective 9-12

This class is a must for any individual looking to gain an edge on the competition when looking for a job. Students will learn how to create a resume, cover letter, job application, reference page, and thank you letter. Using Career Cruising, students will explore their interests and create an electronic portfolio. Mock interviews will be conducted and students will have the opportunity to job shadow a work site of interest. It is strongly suggested that any student wishing to enroll in a School-To-Career program will have completed this class. **Prerequisite:** Introduction to Business. **Dual Credit:** 11-12

Accounting BUS300/301 1.0 Credit Elective 10-12

Accounting provides an understanding of the basic elements and concepts of double entry accounting systems. Accounting is the basis for any college career or where a major in business is concerned. Students will learn the accounting equation, the accounting cycle, journal entries, posting to different ledgers, end-of-period fiscal period reports, payroll systems, banking activities, taxes, uncollectible accounts, depreciation, inventories and notes and interest for various types of businesses including sole proprietorship and partnerships. This is a required course for all Business majors in the UW System. **Dual Credit:** 11-12

Advanced Accounting BUS302/303 1.0 Credit Elective 11-12

Accounting is the planning, keeping, analyzing, and interpreting of financial records for a particular business. This course will examine in more detail the financial aspect of a business. This course will build on the knowledge gained in Accounting I and provide a solid understanding of corporate accounting practices. You'll be able to analyze transactions and prepare various corporate financial reports. You'll also gain practical experience working with Departmentalized Accounting, Accounting Control Systems, Accounting Adjustments, Management Accounting, and Cost Accounting. One accounting practice set will be done during this class. **Dual Credit:** 11-12

Sports & Entertainment Mng. BUS209 0.5 Credit Elective 10-12

In this class students will use a computer simulation to run a professional football franchise. While running the simulation students will have to choose the best city to start a franchise in, market the franchise, obtain sponsorships, set ticket prices, staff all areas of the business, choose the correct promotions week-to-week, and earn a profit. Other management topics covered include: leadership, finance, product management, people management, information management, and legal and ethical issues. Lectures are pre-recorded which allows more class time for discussion and time to work on assignments and projects.

Prerequisite: Introduction to Business

Entrepreneurship BUS210 0.5 Credit Elective 11-12

Students in Entrepreneurship will understand the procedures and techniques of owning and running a business. Business topics students will explore include: Business in a Global Economy, Business Organization and Management, and Business Operations and Technology. Students will gain an understanding of the role an entrepreneur has in the economy. A business plan will be created by all students allowing them to investigate the rewards and pitfalls of operating their own business. Any individual thinking about a career in business should be enrolled in this class. **Prerequisite:** Introduction to Business

NOTE: Qualified juniors and seniors may receive college credit for this class. Credits transfer to all UW System Universities and over 200 nationally. If taken for college credit, cost is \$300.

Computer App. & Game Programming CMP201 0.5 Credit Elective 9-12

Do you enjoy playing video games? Have you ever wondered how they work, or been interested in making your own? Learn simple block based coding skills, and use MIT based programming tools to create your own games and animations. Students will get to "plug and play" to understand the functions of code. They will work on independent projects that will test their skills, and bring out their creativity.

Introduction to Information Technology CMP202 0.5 Credit Elective 9-12

A career in the computing and informational technology continues to grow at a rapid rate. Learn the basics with this introduction to the world of information technology. This course takes a hands-on approach to show how a computer works on the inside, and the concepts that drive our technologies. Students will work towards a basic understanding of computer hardware, software, data collection, networking and code. Students will investigate the internal components of a computer to learn the physical structure and the functionality of each in device order to describe how a computer works, and communicates with other devices through local wired and wireless networks. Students will research careers that are available in the tech field, as well as understand the modern concept of computer security.

Computer Hardware Fundamentals 1 CMP203 0.5 Credit Elective 11-12

Students in Computer Hardware Fundamentals Level 1 will learn the terms, concepts and function of personal computers, both as stand-alone devices and as networked components. Students will demonstrate knowledge, proper function, and use of computer internal and external components, system configuration, data backup, virus protection, command line and simple networks. This course can help students prepare for CompTIA's A+ Certification exams. **NOTE:** This course is aligned with the NTC IT Academy. Students who successfully complete CMP204 and then enroll in the IT Academy will not have to retake this course.

Dual Credit: 11-12

Computer Hardware Fundamentals 2 CMP203 0.5 Credit Elective 11-12

Students in Computer Hardware Fundamentals Level 2 will learn advanced PC operating system structure, features and use. Explore in depth hard drive management, file sharing and command line. Helps learner prepare for CompTIA's A+ Certification exams. **NOTE:** This course is aligned with the NTC IT Academy. Students who successfully complete CMP204 and then enroll in the IT Academy will not have to retake this course.

Dual Credit: 11-12

SCHOOL TO CAREER

Marathon High School's School to Career Program is your chance to learn and earn during your junior and senior year. The School to Career Program provides the opportunity for students to combine their academic instruction with work-based learning experience. Students will earn an hourly wage while learning from a skilled professional. These programs help students determine if this is a good career for them to pursue after high school while gaining work experience and building their professional network.

Important Program Notes: Students enrolled in the School to Career Program must also be enrolled in a course related to their School to Career area. Students are responsible to obtain and maintain their work experience throughout their participation in the School to Career Program. Students must maintain passing grades and excellent attendance to remain in the program. Failure to abide by the above will result in dismissal from the program.

Work Study CTE202 1.0 Credit Elective 11-12

This is an opportunity for students who work at worksites not related to the areas of study offered in the YA Program or may not reach the required hours for the YA Program or for a student looking to complete only one semester of work. Students must complete a minimum of 10-15 hours per week and be taking related coursework.

Teacher Aid CTE201 1.0 Credit Elective 11-12

The Student Aid program provides students the opportunity to assist teachers at MAES, MVA or St. Mary's with various tasks related to classroom activities. This opportunity is only available during school hours, and within the school building. A valid WI Driver's License and Proof of Insurance are required.

Prerequisite: Teacher Aid Application (unpaid position)

Youth Apprenticeship

CTE203

1.0 Credit

Elective 11-12

The YA program provides students with occupational and hands-on experience in an effort to expose/confirm career interests. The program is designed around a course sequence that provides students an opportunity to begin preparing for a career while still in high school. Students who participate in YA are required to take concurrent coursework that connects to the program area.

The standard Youth Apprenticeship model is a two-year program requiring a minimum of 900 hours of paid work experience and four semesters of related classroom instruction based on statewide, industry-developed skills standards, using a state developed curriculum, which leads to a Certificate of Occupational Proficiency. The 900 hours may be achieved through a minimum of 10 hours weekly the first year and 15, the second and/or include summer employment while enrolled as an apprentice. Two-year apprenticeships are available beginning the junior year.

In addition, youth apprentices may choose to enroll in a one-year Level I program where they must complete a minimum of 450 hours of paid work-based learning while they are in the program. At least 250 hours of the required minimum work-based learning time must take place when related classes are being held, so that classroom instruction can be integrated with the work site training. Level I apprentices may begin at either the junior or senior year, depending upon the program area. Students successfully completing a Level One program will receive a Certificate of Recognition.

ENGLISH

4.0 Credits Required for Graduation

Course Name	Credit	Course #	Grade Levels			
			9	10	11	12
English 9 - Required	1.0/year	ENG9A/9B	X			
English 10 - Required	1.0/year	ENG10A/10B		X		
English 11	1.0/year	ENG11A/11B			X	
English 12	1.0/year	ENG12A/12B				X
Advanced Placement English	1.0/year	ENGAPA/APB			X	X
Business Issues & Communication	0.5/sem	ENG102	X	X	X	X
CAPP English 101	0.75/sem	ENG901				X
Oral Communication	0.5/sem	ENG902				X

Students are required to earn four (4) credits of English for graduation. Ninth and tenth grade English is required of all students. In grades 11 and 12 students are given a choice of regular English, Advanced Placement and/or CAPP English.

English 9 ENG9A/9B 1.0 Credit **Required 9**
Students will develop basic skills in reading, writing, speaking, listening, and viewing, with an emphasis on vocabulary development, literary devices, expository writing, grammar, usage, and mechanics. Integrated, theme-centered units include short stories, novels, plays, poetry, and non-fiction. Writing workshops emphasize the writing process in composing expository, narrative, and descriptive essays. Students are required to teach grade-level proficiency in basic, language art skills.

English 10 ENG10A/10B 1.0 Credit **Required 10**
Students will study the writers and major themes that represent the culture and ideas of the American people. The focus is on the process by which American Literature has developed and matured from the eighteenth through the twenty-first centuries. Students will analyze a selection of American Literature: both non-fiction (essays and narratives) and fiction (poetry, short stories, drama, and a minimum of four novels). In addition, they will engage in extensive vocabulary development, essay writing and oral presentation activities to demonstrate grade-appropriate proficiency in the five basic skills of reading, writing, speaking, listening, and viewing.

English 11 ENG11A/11B 1.0 Credit **Required/Elective 11**
Students will collaborate to become self-directed learners as they read and respond to foster a deeper understanding of the human experience. They will collect, analyze, and cite specific evidence to formulate questions, construct arguments, make decisions, and change thinking. Units include: Reading and Responding to Narrative Texts, Informative / Explanatory Essays, Reading and Responding to Informative Texts, Reading Fictionalized Memoirs, and writing a Biography,

Advanced Placement Literature ENGAPA/APB 1.0 Credit **Required/Elective 11-12**
Advanced Placement Literature & Composition is a full-year, college-level English class for students gifted with superior aptitude for interpreting literature, writing about literature, and discussion perceptions, meaning, structure, and language. Students enrolled in AP English are encouraged to take the College Board AP exam in the spring, which may qualify them to earn up to 5 college credits. The exam is not mandatory. Summer reading is required. This course must be taken as a full-year course. This course is accredited through the College Board.

Requirements: Written Exam, "B" Average in English courses, teacher recommendation.

English 12 ENG12A/12B 1.0 Credit **Required/Elective 12**
Students will become self-directed learners using a variety of thinking strategies to analyze, understand, and create text for personal enrichment, inquiry, and problem solving. Units include: Writing Informative / Explanatory Essays, Reading and Responding to Informational Texts, Social Awareness of Current Events, Timeless Topics in Literature, Connecting Timeless Topics to the Constitution, The U.S. Constitution: The Core of Change, and Reading & Writing Science Fiction.

Business Issues & Communication ENG102 0.5 Credit Elective 9-12
Do you plan on going to college, technical school, and/or plan on communicating with others? If you answered yes (and everyone should have), then you should take this course! Students will recognize and apply the characteristics of effective communication and collaboration. Specific skills practiced and assessed include speaking and listening skills in one-to-one, group, mass, and public communication. Communication projects including interviews, meetings, panels, and various types of public speeches, as well as use of electronic communication and media

CAPP College English 101 ENG901 0.75 Credit Elective 12
A writing-based Inquiry Seminar is a writing course in which students focus on a specific topic/question chosen by the instructor. It will help students strengthen their writing, reading, and thinking skills within an academic context that will prepare them for their future college work. Written work counts for approximately 80% of your grade. All WBIS courses must include a research-writing component.
NOTE: Qualified juniors and seniors may receive college credit for this class. Credits transfer to all UW System Universities and over 200 nationally. **Note:** If taken for college credit, cost is \$300.

Oral Communication ENG902 0.5 Credit Elective 12
This course introduces students to communication in interpersonal, small group, and public speaking settings. Course topics include the foundations of communication (perception, language, nonverbal communication), interpersonal communication, small group communication, public speaking, and interviewing. Students will study communication skills, understand the communication choices they can make, and evaluate the consequences of those choices.

Pre-Calculus MTH5A/5B 1.0 Credit Elective 11-12

Pre-calculus is offered to students who plan to enter technical fields such as engineering, science, research, and mathematics. The course reviews many Algebra II topics in greater depth with emphasis on graphing and solving linear and higher order equations, systems and inequalities. Other topics include conic sections, logarithmic functions, inverse relationships and the complex number system. The first semester serves as a complete course in introductory trigonometry with attention given to many other topics including polar coordinates, limits, sequences, series, and matrices. A graphing calculator is required (Ti-83, 84, or equivalent). **Prerequisite:** Algebra 2

AP Calculus AB MTH6A/6B 1.0 Credit Elective 12

AP Calculus is intended for students planning to enter highly technical fields such as math, science, business, medicine and/or engineering. The course will give an introduction to the field of Calculus with a focus placed on limits, derivatives and integrals. A primary focus of the second semester will be preparation for the Advanced Placement Calculus AB exam. A graphing calculator is required (TI 83, 84 or equivalent). Students may earn up to 5 college credits by passing the Advanced Placement exam. This course is accredited through the College Board. **Prerequisite:** Pre-Calculus

Financial Math MTH7A/7B 1.0 Credit Elective 11-12

In this course students will learn to use mathematics effectively as a tool in their personal and business lives. Students will apply mathematical concepts relating to: wages, tax statements, banking, credit cards, loans, insurance and investments, and budgets. Other mathematical skills that will be covered include: decimals, fractions, percentages, and measurements.

NOTE: Counts toward MHS graduation requirement but does not meet UW System Math requirements

European History SOC201 0.5 Credit Elective 10-12
Study European history from the Middle Ages through the Age of Imperialism. Investigate the impact of actions taken during the Crusades and the Inquisition. Study the growth of learning and experimentation in the arts and sciences during the Renaissance. Evaluate the variances in political philosophy that evolved during the Enlightenment and Industrial Revolution. Determine the precipitators of imperialism and European domination of the world, as well as the movements that arose to end it.

American Government SOC202 0.5 Credit **Required 10-12**
This course acquaints students with national, state and local government. The philosophical foundation of our system of government is studied, as well as the Constitution and each branch of the national government. Other topics include political parties and elections, and civil rights and liberties. Students are encouraged to be well-informed on current events and political issues.

Consumer Economics SOC301 0.5 Credit Elective 11-12
Economics directly affects everyone. Understanding the interrelationship between individual economic decision making and the operation of the economy as a whole is essential to functioning effectively in our economic system. Fundamental economic principles, micro-and macro-economic concepts, and international economic concepts are studied. Specific topics include the functioning of markets, the role of government, monetary policy, taxes and fiscal policy, and measuring economic growth.

Introduction to Law SOC302 0.5 Credit Elective 11-12
The historical origins and the development of our justice system and its institutions are examined. Civil and criminal justice topics are studied, including civil litigation, contract law, family law, criminal procedure, law enforcement and corrections. It is recommended that American Government be taken first.
NOTE: Available every other year. **Not offered 2019-2020.**

World War II SOC303 0.5 Credit Elective 11-12
Very few wars can be defined in terms of “good vs. evil”. World War II is one such war. The global conflict from 1939 to 1945 shook the world and had lasting reverberations that we are dealing with to this day. It was the most widespread (fought across 6 of the 7 continents), costly, and destructive war in the history of the planet. Guided reading assignments – along with research studies and class projects – will take students from Hitler’s rise to power in 1933 to the surrender of the Japanese in 1945. Students will delve into a host of topics along the way including: Major foreign and domestic events of WWI (E.g., Battle of the Bulge, the Holocaust, Okinawa, Iwo Jima, Hiroshima, Normandy, D-Day, & Pearl Harbor); Axis and Allied powers; Life Under German occupation; Technological advancements; The role of women during the war; Espionage and war crimes & Cultural stereotypes (then and now). Actual historical documents, diaries/memoirs, newspaper accounts, propaganda pieces and films about World War II will be examined, as well as their relative credibility as a source. **Prerequisite:** “B” average in Social Studies courses.

Social Problems SOC305 0.5 Credit Elective 11-12
Methods of social science research are learned and applied to problems of contemporary American society and the global community. Social problems such as demographic change, poverty, crime and deviance, and changing social institutions are examined from a sociological perspective.
NOTE: Offered every other year. **Not available 2020-2021.**

Vietnam SOC304 0.5 Credit Elective 11-12

The Vietnam War has had a tremendous impact on our nation. From our citizens, to our universities, to our military, and to our government, none emerged the same from this turbulent event. This war was called the “first televised war” because of the breadth of the correspondents who covered it and the depth of our nation’s involvement in watching the nightly news to get the latest information. This course is intended to help a student who wasn’t even born when the last American helicopter took off from Saigon understand why people say “I hope it’s not another Vietnam.” The student will learn how we became involved in Vietnam, what American policies were, what life was like for the military in Vietnam, what was happening on the home front, the cultural changes which occurred in the United States and Wisconsin and finally, the consequences and lessons of war. There will be extensive reading, research, and projects for the course in addition to analysis of films and television clips. **Prerequisite:** “B” average in Social Studies courses.

AP US Government & Politics SOC306 0.5 Credit Elective 11-12

The purpose of this class is to prepare the student to take the Advanced Placement exam for US Government and Politics. In order to be successful, students must be able to analyze and evaluate the institutions, principles, beliefs, and groups that constitute our political system. Students may qualify for 3 college credits in Political Science, based on the AP exam results. It is required that American Government be taken before the AP Course.

Prerequisite: American Government.

Introduction to Sociology 101 SOC901 0.75 Credit Elective 11-12

Introduction to the basic concepts, theories and methods of Sociology, emphasizing the significance of the self and culture, social process and organization, and forces of social stability and change.

NOTE: Early College Credit Program. Students will earn 3.0 college credits from the UW System upon successful completion.

Introduction to Psychology 201 SOC902 0.75 Credit Elective 11-12

Survey of major content areas in Psychology. Topics include research methodology, learning, memory, cognition, biological psychology, sensation, perception, motivation, emotion, development, personality, psychopathology, and social psychology.

NOTE: Early College Credit Program. Students will earn 3.0 college credits from the UW System upon successful completion.

**STEM
SCIENCE * TECHNOLOGY * ENGINEERING * MATH**

Course Name	Credit	Course #	Grade Levels			
			9	10	11	12
Woods 1	0.5/sem	TEC101	X	X	X	X
Woods 2	0.5/sem	TEC102	X	X	X	X
Woods 3	0.5/sem	TEC103		X	X	X
Metals 1	0.5/sem	TEC201	X	X	X	X
Metals 2	0.5/sem	TEC202	X	X	X	X
Metals 3	0.5/sem	TEC203		X	X	X
Introduction to Drafting	0.5/sem	TEC301		X	X	X
Architectural Drafting	0.5/sem	TEC302		X	X	X
Welding	0.5/sem	TEC308	X	X	X	X
Welding 2	0.5/sem	TEC309	X	X	X	X
Photoshop Tech	0.5/sem	TEC304			X	X
Small Engines	0.5/sem	TEC305	X	X	X	X
Construction Trades	0.5/sem	TEC306			X	X
Manufacturing	0.5/sem	TEC307	X	X	X	X
PROJECT LEAD THE WAY COURSES						
Introduction to Engineering & Design	1.0/year	TEC4A/4B	X	X	X	X
Principles of Engineering	1.0/year	TEC5A/5B		X	X	X
Digital Electronics	1.0/year	TEC6A/6B		X	X	X
COMPUTER TECHNOLOGY						
AP Computer Science A	1.0/year	CMP204/205		X	X	X

TECHNOLOGY COURSES

Woods 1 TEC101 0.5 Credit Elective 9-12

Woods I will give students a general look at the woodworking industry, materials, and processing equipment. Students will research, plan, and create one or more beginner-level woodworking projects. Projects must gain prior approval before students can build their projects. Safe and proper use of the machines will also be taught before students begin work. Beginning level woodworking projects will be made at no cost to the students. Students will use this opportunity to learn various techniques and create a variety of simple woodworking projects to increase their skills.

Woods 2 TEC102 0.5 Credit Elective 9-12

This course will build on concepts learned in Woods I. Students will research, plan, and create one or more intermediate-level woodworking projects. Projects must gain prior approval before students can build their projects. Safe and proper use of the machines will also be taught before students begin work. The price range of the projects will vary from project to project. Students will need to pay "in-full" before they may start work on their projects. **Prerequisite:** Woods 1

Woods 3 TEC103 0.5 Credit Elective 10-12

This course will build on concepts learned in previous woodworking courses. Students will research, plan, and create one or more advanced woodworking projects. Projects must gain prior approval before students can build their projects. Safe and proper use of the machines will also be taught before students begin work. The price range of the projects will vary from project to project. Students will need to pay "in-full" before they may start work on their projects. **Prerequisite:** Woods 1 & 2. **Dual Credit:** 10-12

Metals 1	TEC201	0.5 Credit	Elective 9-12
This class is designed to give a broad overview of the Metals Industry including materials and processes used production techniques, career possibilities and general skill development in a number of areas. These areas include SAFETY, blueprint reading, arc welding, oxyacetylene welding, MIG (wire feed) welding, TIG welding, sheet metal fabrication, metal lathe, and milling machine.			
Metals 2	TEC202	0.5 Credit	Elective 9-12
This class is intended to build on the skills learned and developed in METALS PROCESSES 1. Areas and activities that students will cover are similar to the ones in METALS PROCESSES 1. Class will be designed around a student selected project or activity. Prerequisite: Metals 1			
Metals 3	TEC203	0.5 Credit	Elective 10-12
In this course, students will expand on the skills and knowledge they have gained in their previous metalworking courses. Metals III students must use class time to design, plan, and build their own project ideas throughout the semester. Students will be responsible for covering the associated project costs. Prerequisite: Metals 1 & 2. Dual Credit: 11-12			
Introduction to Drafting	TEC301	0.5 Credit	Elective 10-12
All technical drawings are a language. Every language has a common set of rules to follow. This course will introduce students to the language of drafting through a variety of drafting exercises on paper and move into AutoCAD. This course will enhance a student's ability to read, interpret, and create prints that meet industrial standards and specifications. Drafting courses are great for anyone in artistic and/or technical careers. Dual Credit: 10-12			
Architectural Drafting	TEC302	0.5 Credit	Elective 10-12
This class builds on the knowledge gained in the Intro to Drafting course. Students will increase their AutoCAD speed, skills, and accuracy by creating prints used in house plans. Through this experience, students will also gain knowledge about building codes and designing homes with both form and function. Prerequisite: Introduction to Drafting. Dual Credit: 11-12			
Photoshop Tech	TEC304	0.5 Credit	Elective 11-12
This course will explore and exploit the power of Adobe Photoshop to create, adjust, and manipulate graphic arts related content. Students will learn how to manage image manipulation techniques, color/tonal correction, resolution, and output issues. Advanced work in this course will open more opportunities for students to utilize Photoshop in combination with the laser engraver, plasma cam, cnc router, and more to create a wide-variety of projects out an array of materials. Dual Credit: 11-12			
Small Engines	TEC305	0.5 Credit	Elective 9-12
2 and 4 cycle gasoline engine theory of operation; fuel, ignition, cooling, and lubrication systems; tune-up and troubleshooting techniques; repair procedures; power transmission devices drivetrains clutches; hydraulic and pneumatic concepts. Students will disassemble a Kohler engine and a Briggs & Stratton engine provided by the school and will also have the opportunity to work on their own engines.			
Construction Trades	TEC306	0.5 Credit	Elective 11-12
Construction Trades prepares students with lab experiences consistent with entry-level employability skills in masonry, carpentry, electrical, plumbing, and heating/ventilation/air-conditioning (HVAC) fields. Course participants will have the benefit of gaining expertise from local contractors that are looking to hire. The knowledge and abilities learned in this course can be applied to both residential and commercial construction trades. Prerequisite: Metals I, II or Woods I, II			

Manufacturing TEC307 0.5 Credit Elective 9-12

Manufacturing students will learn about how manufacturing is the use of machines, tools and labor to produce goods for use or sale. The class will try out several different types of manufacturing first hand by designing and creating small projects. The class will brainstorm a list of projects ideas and then pick one. They will then decide as a class what type of manufacturing process they should use to make it. Then the students will go through the building process evaluating what the advantages as well as disadvantages are for that type of manufacturing.

Welding TEC308 0.5 Credit Elective 9-12

This course will explore several different welding processes including SMAW, GMAW, GTAW. Students will learn how to read welding plans and symbols, understand the makeup of different metals and troubleshoot different welding issues. Advanced work in this course will be learning how to weld different joints including pipe and in unique positions including overhead and vertical like you would find out in industry.

Welding 2 TEC309 0.5 Credit Elective 9-12

This course will advance your skills in several different welding processes including SMAW, GMAW, and GTAW. Students will read welding plans and symbols to weld up several different joints and projects. Students will work on out of position welding, stainless steel welding, as well as pipe welding. Each student will also get to try several welding tests that they would experience on a job site. Welders from local businesses will be brought in to share tips and tricks to better the student's abilities. **Prerequisite:** Welding 1

PROJECT LEAD THE WAY

Introduction to Engineering TEC4A/4B 1.0 Credit Elective 9-12

In this course students will learn basic engineering concepts. Students will study 4 units in this course all of which contain a different major concept. Some of those concepts that we will be taking a look at include: employment within the engineering career, communication, design process, sketching, and three-dimensional modeling. The students will also get a chance to design a puzzle cube, a train engine with their own designed train car and reverse engineer a selected product using AutoDesk Inventor software.

Principles of Engineering TEC5A/5B 1.0 Credit Elective 10-12

This course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and/or high tech career. POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem-solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. *Sophomores may join with consent of instructor. **Prerequisite:** Introduction to Engineering, Algebra 1 recommended

Digital Electronics TEC6A/6B 1.0 Credit Elective 10-12

Unit 1 Direct Current Circuit Analysis. Units and conversion, resistors, circuit fundamentals, schematics, Ohm's Law, series circuits, parallel circuits, series-parallel circuits, test instruments and usage, troubleshooting, voltage dividers, switches and other controls. Unit 2: Alternating Current Circuit Analysis. Inductance, capacitance, inductive reactance, capacitive reactance, RCL circuits, resonant circuits, Meters and instruments, oscilloscope operation and analysis of waveforms. Unit 3: Semiconductors, Semiconductor fundamentals, diodes, silicon controlled rectifiers, triacs, junction transistors, field effect transistors, amplifiers, power supplies, and voltage regulation. Unit 4: Digital Circuits. Logic gates, integrated circuits, combinational logic circuits, sequential logic circuits, timer circuits, flip-flops, counters, and adders. **Prerequisite:** Introduction to Engineering & Design

COMPUTER TECHNOLOGY COURSES

AP Computer Science A

CMP204/205

1.0 Credit

Elective 10-12

This project based course will give students an introduction into computational thinking and leave them with a better understanding of the role computation can play in solving problems related to ANY field or major. Students will learn to write small programs that will allow them to accomplish useful goals.

WORLD LANGUAGES

Course Name	Credit	Course #	Grade Levels			
			9	10	11	12
Spanish 1	1.0/year	FOR1A/1B	X	X	X	X
Spanish 2	1.0/year	FOR2A/2B	X	X	X	X
Spanish 3	1.0/year	FOR3A/3B		X	X	X
Spanish 4	1.0/year	FOR4A/4B			X	X
Spanish 5	1.0/year	FOR5A/5B				X

The introductory level of a world language is the foundation for all succeeding levels. It is highly recommended that a student pass any course with a grade of C- or better before proceeding to the next level. Please note, the University of Wisconsin-Madison requires applicants to complete two years of a single foreign language. Also, with consistent high interest in language learning and a great work ethic, it is possible for students to take the UW Spanish placement test, successfully complete the Spanish college course into which they place (B or better) and earn retroactive college credits (4-12+ credits). Please consult the specific requirements, etc. on your desired university's website.

Spanish 1 FOR1A/1B 1.0 Credit Elective 9-12
 This is an introductory course for students with little (exploratory) or no prior experience. Upon successful completion, students will be able to communicate about themselves and others and express basic needs and wants in the present via brief conversations and reading and writing basic paragraphs in the target language.

Spanish 2 FOR2A/2B 1.0 Credit Elective 9-12
 This class will continue to develop skills acquired in level I and pursue more advanced expectations of grammar and vocabulary. By year end, students will be able to expand their communication skills to involve speaking, reading, writing and listening in the past and future. **Prerequisite:** Spanish 1 or passing grade on 8th grade Spanish exam + teacher recommendation.

Spanish 3 FOR3A/3B 1.0 Credit Elective 10-12
 Spanish III is an intermediate level world language class. Students will be able to strengthen skills and vocabulary from levels 1 and 2 while enriching their abilities with a variety of verb tenses. Longer and more detailed communication in the target language is the goal. **Prerequisite:** Spanish 1-2

Spanish 4 FOR4A/4B 1.0 Credit Elective 11-12
 Students enrolled in Spanish 4 are seriously considering pursuing further language study. Emphasis is on day to day application of previously learned material along with using critical thinking skills in the target language. **Prerequisite:** Spanish 1-3

Spanish 5 FOR5A/5B 1.0 Credit Elective 12
 Students enrolled in Spanish 5 are also seriously considering pursuing further language study. Emphasis is on day to day application of previously learned material along with using critical thinking skills in the target language. **Prerequisite:** Spanish 1-4

Due to varied enrollment and scheduling logistics, most years the upper level Spanish classes are combined into an "Advanced Spanish" class. The curriculum rotates so that the topics/themes change year to year, but emphasis remains on application of skills while differentiation is employed to maximize individualized learning.

Spanish for Native Speakers is available within the Advanced Spanish class as well. This allows heritage learners to work on writing and reading skills while exploring different cultures as well as their own.