

# Health Science Pathways \*Medical Anatomy & Physiology counts as a 3<sup>rd</sup> science credit

Pathway	Emergency Medical Technician	Sports Medicine	Nursing	Clinical Laboratory and Medical Forensics	Pharmacy
<b>Possible Occupations</b>	Paramedic, EMT, Firefighter, ER Physician, Trauma Surgeon	Athletic Trainer, Chiropractor, Massage Therapist, Physical Therapy, Orthopedic Physician/Surgeon	Teacher, CNA, LPN, RN, Nurse Practitioner, Nurse Anesthetist, Midwife, Physician	Clinical Lab Technician, Forensic Chemist, Forensic pathologist, Health Science Teacher, Toxicologist	Health Science Teacher, Pharmacy Aide, Pharmacy Technician, Pharmacist
<b>REQUIRED Foundation Courses</b>	11 <sup>th</sup> , 12 <sup>th</sup> Emergency Medical Technician currently through the OWATC	11 <sup>th</sup> , 12 <sup>th</sup> Medical Anatomy and Physiology Exercise Science/ Sports Medicine (CE) Physical Therapy	11 <sup>th</sup> , 12 <sup>th</sup> Medical Terminology (CE) Certified Nursing Assistant (CNA)	11 <sup>th</sup> Medical Forensics	12 <sup>th</sup> Pharmacy Technician evening courses at the OWATC
<b>Highly Recommended Elective Courses</b>	10 <sup>th</sup> Introduction to Health Science 11 <sup>th</sup> Medical Anatomy and Physiology Medical Terminology (CE) Emergency Medical Response (CE) 12 <sup>th</sup> Advanced Health Science (CE)  Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> Introduction to Health Science 11 <sup>th</sup> Medical Terminology (CE) 11 <sup>th</sup> , 12 <sup>th</sup> Emergency Medical Responder (CE) 12 <sup>th</sup> Advanced Health Science (CE)  Student Internship— Must take a preliminary course CWS online	10 <sup>th</sup> Introduction to Health Science 11 <sup>th</sup> Medical Anatomy and Physiology 11 <sup>th</sup> /12 <sup>th</sup> Foundations of Nutrition (CE) Foods and Nutrition I and II Human Development (CE) 12 <sup>th</sup> Advanced Health Science (CE)  Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> Intro to Health Science  11 <sup>th</sup> Medical Anatomy and Physiology Medical Terminology (CE)  12 <sup>th</sup> Advanced Health Science (CE)  Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> Intro to Health Science  11 <sup>th</sup> Medical Anatomy and Physiology Medical Terminology (CE)  12 <sup>th</sup> Advanced Health Science (CE)  Student Internship— Must take a preliminary course CWS online
<b>Support Courses</b>	Exercise Science Certified Nursing Assistant Medical Forensics	Emergency Medical Technician (OWATC) Foundations of Nutrition (CE) Communications 2110 (CE) Certified Nursing Assistant Medical Forensics	Communications 2110 (CE) Math 1050 (CE) Chemistry 1110 (CE) Emergency Medical Response (CE) Exercise Science Medical Forensics	Communications 2110 (CE) Chemistry 1110 (CE) Biology	Communications 2110 (CE) Chemistry 1110 (CE)



# Business Education Pathways

Pathway	Accounting and Finance	Business Administrative Support	Business Entrepreneurship	Business Management	Business Technology Support
<b>Possible Occupations</b>	Accountant, Accounting Clerk, Bookkeeper, Business Ed. Teacher, Loan Officer, Tax Examiner	Administrative Assistant, Business Teacher, Customer Service Assistant, Desktop Publishing Specialist, Office Mgr.	Inventor, Retail Owner/Operator, Sales and Service Owner, Web Developer, Venture Capitalist	Business Consultant, Business Manager, Chief Executive Officer, e-commerce Manager, Entrepreneur, PR Manager	Customer Service Assistant, Desktop Publisher, Executive Assistant, Office Manager, Secretary, Web Page Master
<b>REQUIRED Foundation Courses</b>	11 <sup>th</sup> , 12 <sup>th</sup> Accounting I Accounting II	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Digital Business Applications  11 <sup>th</sup> , 12 <sup>th</sup> Computer Technology II (CE)	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Business Law Marketing Business Management  11 <sup>th</sup> , 12 <sup>th</sup> Entrepreneurship (CE)	11 <sup>th</sup> , 12 <sup>th</sup> Business Management Business Law Digital Business Applications Marketing I	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Digital Business Applications Business Web Page Design  11 <sup>th</sup> , 12 <sup>th</sup> Computer Technology II (CE)
<b>Highly Recommended Elective Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Business Law, Business Management Digital Business Applications Marketing I  11 <sup>th</sup> or 12 <sup>th</sup> Entrepreneurship (CE) Computer Technology II (CE) Leadership Principles (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Accounting I Accounting II Business Law Business Management Web Development 1A & 1B Marketing I  11 <sup>th</sup> , 12 <sup>th</sup> Leadership Principles (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Accounting I Accounting II Web Page Development 1A & 1B Digital Business Applications Sports Marketing & Applied  11 <sup>th</sup> , 12 <sup>th</sup> Computer Technology II (CE) Customer Service (CE) Leadership Principles (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Accounting I Accounting II Web Development 1A & 1B  11 <sup>th</sup> , 12 <sup>th</sup> Computer Technology II (CE) Customer Service (CE) Leadership Principles (CE) Entrepreneurship(CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Business Law Business Management Web Development 1A & 1B Marketing I  11 <sup>th</sup> or 12 <sup>th</sup> Leadership Principles (CE) Customer Service(CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online
<b>Support Courses</b>	Retail School Store(CE) Customer Service (CE) Communications 2110 (CE)	Computer Programming A Computer Programming B (CE) Customer Service(CE) Communications 2110 (CE)	Travel and Tourism Communications 2110 (CE) Retail School Store (CE) Computer Programming A Computer Programming B (CE)	Communications 2110 (CE) Retail School Store (CE) Computer Programming A Computer Programming B (CE)	Communications 2110 (CE) Entrepreneurship(CE)

<b>Pathway</b>	<b>Accounting and Finance</b>
<b>Possible Occupations</b>	Accountant, Accounting Clerk, Auditor, Bookkeeper, Loan Officer, Tax Examiner, Tax Preparer
<b>REQUIRED Foundation Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Accounting I Accounting II
<b>Highly Recommended Elective Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Business Law Business Management Digital Business Applications Marketing I  11 <sup>th</sup> , 12 <sup>th</sup> Entrepreneurship (CE) Computer Technology II (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online
<b>Support Courses</b>	Customer Service (CE) Retail School Store (CE)

## CE= Concurrent Enrollment

Students receive university credit while attending high school. Student must be a junior to receive university credit in this pathway.

# Family and Consumer Science Pathways

Pathway	Child Development	Consumer Economics Services	Family and Human Services	Fashion Design, Manufacturing and Merchandising	Food Science, Dietetics, Nutrition
<b>Possible Occupations</b>	Administrative Childcare Program, Child Care Aide/worker, Counseling Psychologist, Elementary Education, FACS Education, Preschool Teacher, Social Worker, Teacher Assistant	Consumer Advocate, Consumer Consultant, Consumer Economist, Credit Counselor, FACS Teacher, Financial Planner, Product Developer, Product Researcher	Adult Day Care Center Coordinator, Community Service Director, Counseling Psychologist, Employment Counselor, Geriatric Service Worker, Marriage and Family Therapist	Fashion Designer, Retail Sales, Retail Buyer, Tailor, Wholesale Buyer	Dietetic Technician, FACS Teacher, Dietician, Food Scientist, Food Technologist, Medical Dietician, Nutritionist
<b>REQUIRED Foundation Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> Child Development Early Childhood Education IA Food and Nutrition I	10 <sup>th</sup> , 11 <sup>th</sup> Accounting I  11 <sup>th</sup> , 12 <sup>th</sup> Adult Roles and Financial Responsibilities (CE)	10 <sup>th</sup> , 11 <sup>th</sup> Child Development Foods and Nutrition I  11 <sup>th</sup> , 12 <sup>th</sup> Adult Roles and Financial Responsibilities (CE)	10 <sup>th</sup> , 11 <sup>th</sup> Clothing I Clothing II Fashion Strategies	10 <sup>th</sup> , 11 <sup>th</sup> Food and Nutrition I Food and Nutrition II
<b>Highly Recommended Elective Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Food and Nutrition II Early Childhood Education IB Accounting I  11 <sup>th</sup> , 12 <sup>th</sup> Human Development (CE) Foundations of Nutrition (CE) Early Childhood Education II Head Teacher  12 <sup>th</sup> Education 1010 (CE) Student Internship- Must take a preliminary course CWS online	11 <sup>th</sup> , 12 <sup>th</sup> Customer Service (CE) Entrepreneurship (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Foods and Nutrition II  11 <sup>th</sup> , 12 <sup>th</sup> Foundations of Nutrition (CE) Human Development (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Fashion Merchandising I Designer Sewing I Designer Sewing II Accounting I  11 <sup>th</sup> , 12 <sup>th</sup> Advertising and Promotions (CE) Entrepreneurship (CE) Fashion Academy (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> 11 <sup>th</sup> , 12 <sup>th</sup> Child Development  11 <sup>th</sup> , 12 <sup>th</sup> Foundations of Nutrition (CE) Human Development (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online
<b>Support Courses</b>	Psychology and AP Psychology 1010 (CE) Communications 2110 (CE) Education 1010 (CE) Emergency Medical Response (CE)	Marketing I Education 1010 (CE)	Psychology and AP Psychology 1010(CE) Communications 2110 (CE)	Advanced Fashion Merchandising (CE) Retail School Store (CE) Communications 2110 (CE) Marketing I	Chemistry 1110 (CE)

Pathway	Food Services and Culinary Arts	Hospitality Services	Interior Design
<b>Possible Occupations</b>	Baker, Butcher, Caterer, Chef, Chocolatier, FACS Teacher, Food Service Director, Food Service Manager, Food Stylist, Pastry Chef	Event Planner, FACS Teacher, Hospitality Supervisor, Hotel/Motel Manager, Restaurant Manager, Tour Guide, Travel Agent	Architect, Display Designer, Furniture Designer, Interior Designer, Photographer, Retail Manager, Set Designer
<b>REQUIRED Foundation Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Food and Nutrition I Food and Nutrition II	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Food and Nutrition I Food and Nutrition II	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Interior Design I Interior Design II
<b>Highly Recommended Elective Courses</b>	11 <sup>th</sup> , 12 <sup>th</sup> Travel and Tourism Entrepreneurship (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	11 <sup>th</sup> , 12 <sup>th</sup> Travel and Tourism Entrepreneurship (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Architectural Design I(CE) Architectural Design II (CE) Clothing I Designer Sewing Design and Visual Communication Photography  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online
<b>Support Courses</b>	Design and Visual Communication Photography	Customer Service (CE) Marketing I Communications 2110 (CE)	Commercial Photography Communications 2110 (CE) Retail School Store (CE) Customer Service (CE) Marketing I

## CE= Concurrent Enrollment

Students receive university credit while attending high school. Student must be a junior to receive university credit.

# Information Technology Pathways

<b>Pathway</b>	<b>Programming/ Software Development</b>
<b>Possible Occupations</b>	Computer Programmer, Computer Systems Analyst, Game Programmer, Information Technology Teacher, Software Engineer
<b>REQUIRED Foundation Courses</b>	10 <sup>th</sup> 11 <sup>th</sup> , 12 <sup>th</sup> Computer Programming A Exploring Computer Science  11 <sup>th</sup> , 12 <sup>th</sup> Computer Programming B (CE)
<b>Highly Recommended Elective Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Digital Media I  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online
<b>Support Courses</b>	Entrepreneurship (CE) Computer Technology II (CE)

## CE= Concurrent Enrollment

Students receive university credit while attending high school. Student must be a junior to receive university credit in this pathway.

# Marketing Education Pathways

Pathways	Marketing Entrepreneurship	Marketing Management	Sales and Service Marketing	Travel and Tourism
<b>Possible Occupations</b>	Inventor, Marketing Education Teacher, Retail Owner/Operator, Sales and Service Owner, Web Developer, Venture Capitalist	Advertising Account Executive, Advertising Production Manager, Brand Manager, Public Relations Account Executive	Merchandise Displayer, Purchasing Agent, Purchasing Manager, Sales Development Coordinator, Wholesale Broker, Wholesale/ Retail Buyer	Concierge, Cruise Director, Event Planner, Host/Hostess, Hotel Manager, Tour Guide, Travel Agent, Travel Clerk, Waiter/waitress
<b>REQUIRED Foundation Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Marketing I  11 <sup>th</sup> , 12 <sup>th</sup> Entrepreneurship (CE)	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Marketing I	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Marketing I  11 <sup>th</sup> , 12 <sup>th</sup> Retail School Store (CE)	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Marketing I  11 <sup>th</sup> , 12 <sup>th</sup> Travel and Tourism (CE)
<b>Highly Recommended Elective Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Fashion Merchandising Accounting I Business Management Business Law  11 <sup>th</sup> , 12 <sup>th</sup> Customer Service (CE) Fashion Merchandising Adv (CE) Leadership Principles (CE) Retail School Store (CE) Sports and Entertainment Marketing Applied (CE) Travel and Tourism  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Accounting I Business Management Business Law Fashion Merchandising  11 <sup>th</sup> , 12 <sup>th</sup> Customer Service (CE) Entrepreneurship (CE) Fashion Merchandising Adv. (CE) Leadership Principles (CE) Retail School Store (CE) Sports and Entertainment Marketing Applied (CE) Travel and Tourism (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Fashion Merchandising Accounting I Business Management Business Law  11 <sup>th</sup> , 12 <sup>th</sup> Customer Service (CE) Entrepreneurship (CE) Fashion Merchandising Advances (CE) Leadership Principles (CE) Retail School Store (CE) Sports and Entertainment Marketing Applied (CE) Travel and Tourism  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Fashion Merchandising Accounting I Business Management Business Law  11 <sup>th</sup> , 12 <sup>th</sup> Customer Service (CE) Entrepreneurship (CE) Fashion Merchandising Adv (CE) Leadership Principles (CE) Retailing School Store (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online
<b>Support Courses</b>	Communications 2110 (CE) Accounting II Computer Programming Computer Technology II (CE)	Accounting II Communications 2110 (CE) Computer Technology II (CE)	Commercial and Advertising Art Designer Dewing I Computer Technology II (CE)	Communications 2110 (CE) Psychology 1010 (CE) Sports and Entertainment Marketing Applied (CE)



## Skilled and Technical Science Pathways

<b>Pathways</b>	<b>Communication Television Broadcasting</b>	<b>Mechanics and Repairs Automotive Service Tech</b>	<b>Precision Production Trades-Design Technology</b>	<b>Precision Production Trades—Welding</b>
<b>Possible Occupations</b>	Audio/Video, Equipment Tech, TV Broadcasting	Aircraft Mechanic Technician, Automotive Service Technician, Auto Service Teacher, Mechanic, Motorboat Mechanic	Architectural Drafter, Civil Engineering, Computer Aided Drafter, CAD Teacher, Interior Designer, Landscape Designer, Engineer	Agricultural Education Teacher, Welder/Cutter, Welding Machine Operator, Welding Teacher
<b>REQUIRED Foundation Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> TV Broadcasting I TV Broadcasting II	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Intro to Auto (CE) ASE- Brakes, Steering and Suspension, Electrical and Engine Performance (CE) Above may be taken in any order	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Technical Design I (CE) Architectural Design I (CE)  11 <sup>th</sup> , 12 <sup>th</sup> Architectural Design II (CE) Technical Design II (CE)	10 <sup>th</sup> , 11 <sup>th</sup> 12 <sup>th</sup> Welding A Welding B
<b>Highly Recommended Elective Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Computer Programming A Digital Media I Design and Visual Communications Commercial and Advertising Art Basic Digital Photography  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Small Vehicle Technician  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Introduction to Auto Welding A Design and Visual Communications Commercial and Advertising Art Basic Photography  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Technical Design I (CE) Architectural Design I (CE) Welding Advanced  11 <sup>th</sup> , 12 <sup>th</sup>  Architectural Design II (CE) Technical Design II (CE)  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online
<b>Support Courses</b>	Communications 2110 (CE) English 1010 (CE) Computer Programming B (CE)	Communications 2110 (CE) Entrepreneurship (CE) Welding	Math 1010 and/or 1050 (CE) Interior Design Computer Programming A Computer Program (CE)	Math 1010 and/or 1050 (CE)

<b>Pathways</b>	<b>Personal Service— Cosmetology/Barbering</b>	<b>Personal Service— Esthetician/Nail Tech</b>	<b>Protective Services— Law Enforcement</b>	<b>Visual Arts— Commercial Art</b>	<b>Visual Arts— Commercial Photography</b>
<b>Possible Occupations</b>	Barber, Cosmetologist, Teacher	Manicurist, Teacher, Pedicurist, Esthetician, Skin Care Specialist	Correctional Officer, Deputy Sheriff, Law Enforcement Teacher, Police Detective and Criminal Investigator, Patrol Officer	Advertising Designer, Animations/Illustrator, Teacher, Commercial Designer, Fashion Artist, Graphic Designer, Painter/Illustrator, Photographer	Camera Operator Commercial Photo Teacher, Photographer
<b>REQUIRED Foundation Courses</b>	11 <sup>th</sup> , 12 <sup>th</sup> Cosmetology or Barbering at the OWATC	11 <sup>th</sup> , 12 <sup>th</sup> Nail Technician at the OWATC	11 <sup>th</sup> , 12 <sup>th</sup> Law Enforcement or Criminal Justice (CE) Emergency Medical Responder (CE)	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup>  Design and Visual Communications Commercial and Advertising Art	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Basic Digital Photography Commercial Photography
<b>Highly Recommended Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Entrepreneurship (CE) Business Management Accounting I Accounting II  11 <sup>th</sup> , 12 <sup>th</sup> Nail Technician at the OWATC Personal Finance  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Entrepreneurship (CE) Business Management Accounting I Accounting II  11 <sup>th</sup> , 12 <sup>th</sup> Cosmetology at OWATC Barbering at OWATC Personal Finance  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Video Productions Architectural Design I (CE) Basic Digital Photography  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Digital Media I Technical Design I (CE) Architectural Design I (CE) Basic Digital Photography  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Television Broadcasting I Digital Media I Technical Design I (CE) Design and Visual Communications Commercial and Advertising Art  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online
<b>Support Courses</b>	Customer Service (CE) Retail School Store (CE)	Customer Service (CE) Design and Visual Communication	Psychology 1010 (CE) Communications 2110 (CE)	Technical Design II (CE) Architectural Design II (CE) Commercial Photography Computer Technology II (CE) Math 1050 (CE)	Communications 2110 (CE) Customer Service (CE) Computer Technology II (CE) Math 1050 (CE)

# Technology and Engineering Pathway

<b>Pathway</b>	<b>Project Lead the Way National Pre-Engineering Program</b>
<b>Possible Occupations</b>	Civil Engineer, Complex Analysis, Complex Design, Development Manufacturing Research, Electrical Engineer, Mechanical Engineer, Technology and Engineering Teacher
<b>REQUIRED Foundation Courses</b>	Engineering Design- Introduction Principles of Engineering Choose one of the following: Aerospace Engineering Digital Electronics Engineering Design and Development Civil Engineering and Architecture
<b>Highly Recommended Courses</b>	Physics Calculus
<b>Support Courses</b>	Welding Communications 2110 (CE)

## CE= Concurrent Enrollment

Students receive university credit while attending high school.

Student must be a junior to receive university credit in this pathway.

# Agricultural Education Pathway

<b>Pathway</b>	<b>Production/Proceession Animal Science</b>
<b>Possible Occupations</b>	Ag Teacher, Animal Geneticist, Animal Nutritionist, Animal Scientist, Aquaculturalist, Veterinarian, Veterinarian Technician
<b>REQUIRED Foundation Courses</b>	11 <sup>th</sup> , 12 <sup>th</sup> Animal Science I  12 <sup>th</sup> Veterinarian Assistant
<b>Highly Recommended Courses</b>	10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> Biology Agricultural Animal Science  12 <sup>th</sup> Student Internship- Must take a preliminary course CWS online
<b>Support Courses</b>	Psychology 1010 (CE) Communications 2110 (CE) Math 1050 (CE)

## CE= Concurrent Enrollment

Students receive university credit while attending high school. Student must be a junior to receive university credit in this pathway.