

Planning Your Pathway

NATURAL & APPLIED SCIENCES

10 CREDITS necessary to complete a Pathway earned through Pathway Courses extracurricular activities and a required Capstone Course.

UNSURE ABOUT YOUR FUTURE? *Explore this pathway!*



Consider taking a supporting course to see if this Pathway is right for you!

- Intro to Agriculture, Food, and Natural Resources
- Introduction to Animal Care and Nutrition
- Medical Terminology and Health Careers
- First Aid & CPR
- AP Environmental Science
- Advanced Biology & Horticulture

READY TO PLAN FOR YOUR FUTURE? *Pursue a Capstone!*

Follow one of the course sequences below that aligns with your interests to prepare you for Pathway completion.



(* indicates a required prerequisite course)

PATHWAY COURSES - up to 8 credits available from Pathway Courses

Available Supporting Courses (# of credits):

- Advanced Biology: Anatomy/Physiology (2)
- Advanced Biology: Botany/Horticulture (2)
- AP Biology** (2)
- AP Chemistry** (2)
- AP Computer Science A (Java) A & B** (2)
- AP Computer Science Principles** (2)
- AP Environmental Science** (2)
- AP Physics C: Mechanics** (2)
- AP Statistics** (2)
- Aviation I: Taking Flight (1)
- Aviation II: Soaring Higher A & B (2)
- Business, Science and Technical Writing TC (1)
- Computer Science Principles (2)
- First Aid and CPR (1)
- Fish & Wildlife (1)
- Floral Design (1)
- Functions, Stats, and Trig (2)
- Honors Biology (2)
- Honors Chemistry (2)
- Honors Earth & Space Science (2)
- Honors Physics (2)
- Intro to Agriculture, Food, and Natural Resources (1)
- Intro to Healthcare (1)
- Intro to Organic Chemistry and Biochemistry – Structures Reactions and Energy (2)
- Introduction to Animal Care and Nutrition (1)
- Introduction to Natural Resources (1)
- Level 4 World Language Courses** or ASL 3 (2)
- Medical Terminology and Health Careers (1)
- Nutrition and Exercise Science (1)
- Senior Internship* (4)
- Sports Medicine A (1)
- Sports Medicine B (1)
- Spreadsheets** (1)
- Statistics & Data Science (2)
- Veterinary Sciences (1)
- Work Experience (2)
- Agriscience (1)
- Astronomy (1)
- Biotechnology (1)
- Forensic Science (1)
- Pharmacology (1)
- Sports Medicine (1)
- Veterinary & Marine Science (1)

QUALIFYING ACTIVITIES

1 Pathway credit per year - maximum 2 available

- Debate
- Future Problem Solvers
- HOSA
- Math Team
- Quiz Bowl
- Science Olympiad
- Speech

CAPSTONE COURSES

Required - 2 credits each

- Science Research & Design Capstone (2)
- Certified Nursing Assistant Capstone (4)

Courses in **BLACK** are exclusive to EPHS

Courses in **BLUE** can also be taken through EP Online

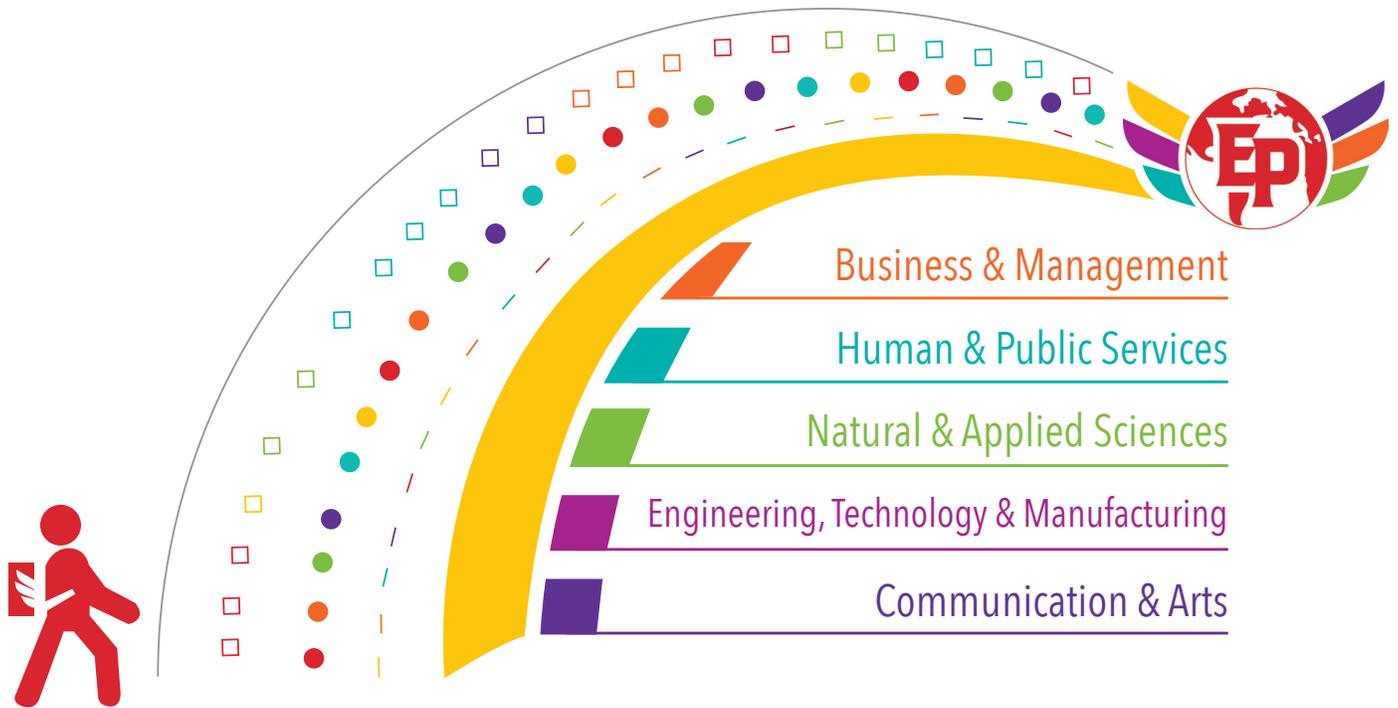
Courses in **RED** are exclusive to EP Online

* Instructor approval to apply credits toward Pathway

** College credit available

TC Tailored Core Course

EPHS Pathways



Pathways at Eden Prairie High School provides a set of experiences that students can pursue to engage in deeper learning while preparing them for future careers and life goals. Students have the opportunity to gain and apply knowledge and skills as they take part in resources projects and audiences that are authentic to a specific career field of interest. They also interact directly with industry professionals to enhance their learning and experience.

Pursuing a Pathway is not something that students test into or add to their course credit load. It is an opportunity to work within the graduation requirements and available activities to see the bigger picture of where a student's interests lie what opportunities may be available to them in the future and tailor their experience appropriately. It provides a path for their educational journey exposure to "real world" opportunities and highlights their development in a specific field. A Pathway experience can enrich their time at the high school and set them up for success after graduation.

Our five Pathways are:



Business & Management



Human & Public Services



Natural & Applied Sciences



Engineering, Technology & Manufacturing



Communication & Arts

Why Pursue a Pathway?

- Capstone projects provide experiences scholarships, employers, and colleges are looking for
- Make authentic products or services
- Pathway completion goes on your transcript for colleges and scholarships!
- All Capstones: go on 3-4 field trips/site visits; have 6-8 guest instructors; are project based, you apply knowledge
- Earn college credit and certifications!
- "Sometimes it's about who you know"
- grow your network and receive mentorship