2025-26



CAREER PATHWAYS GUIDE



>> ENROLLED >> ENLISTED >> EMPLOYED













BUFFALO HANOVER MONTROSE SCHOOLS

HOW TO USE THIS GUIDE

At Buffalo High School, we are committed to helping students discover and pursue their unique paths. This guide is designed to assist students and families in understanding how our elective courses and opportunities can support exploration of future career options.

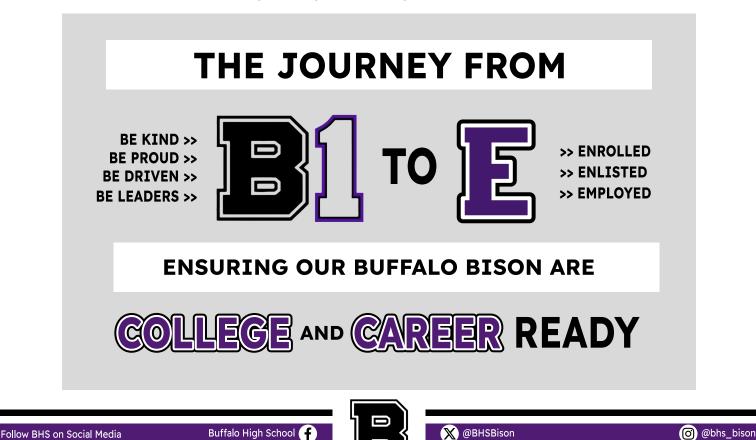
This guide highlights elective courses that can provide valuable preparation and insight into specific career fields. However, it is *not* a comprehensive list of courses a student must take in their area of interest. Course selection should reflect each student's individual educational and career aspirations.

When selecting courses, students and families should consider the following factors:

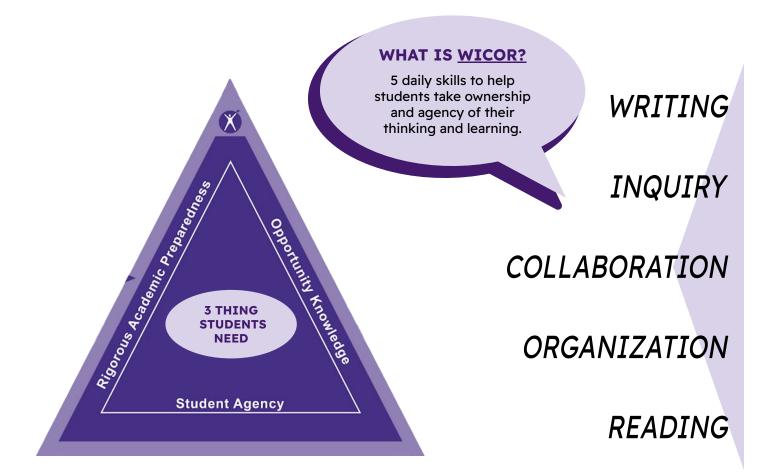
- **Exploring a variety of career pathways** to identify potential interests and opportunities.
- Meeting academic requirements for graduation to stay on track.
- **Taking rigorous academic courses** that align with future educational goals.
- **Building on personal strengths** while improving skills in areas of growth.

At Buffalo High School, we want every student to graduate with a plan and the preparation to be **ENROLLED**, **ENLISTED**, or **EMPLOYED**!

We are excited to support you on your journey to success.



WHAT IS YOUR COLLEGE



STUDENT AGENCY

ACTIVATE KNOWLEDGE AND SKILLS

1. Cultivate self-identity with your emotions, thoughts, values.

2. Develop and activate leadership traits.

3. Think critically, act safely, engage responsibly online.

STUDENT AGENCY

BUILDING RELATIONSHIPS

1. Establish and maintain relational capacity with others.

2. Activate a physical and digital network of support for current and future success.

OR CAREER READINESS?

WHAT ARE **CAREER CLUSTERS?**

A group of related occupations requiring similar skills and knowledge, where interest and preparation in one job can connect to others in the cluster.

C D

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Start **EXPLORING ENVISIONING** ENGAGING

CAREER FIELD Agriculture, Food Natural Resource

make a

Human Services

FIRIO

STUDENT AGENCY

PERSISTING THROUGH OBSTACLES

1. Monitor progress toward goals.

2. Seek help and feedback.

3. Develop a strong student voice to self-advocate.

Leave CAREER FIELD **ENROLLED ENLISTED EMPLOYED**

Health Science

Technology

STUDENT AGENCY



of our BHS students report they have an adult they can go to if they have a problem

National Average: 54%

of our BHS students report that they feel supported by other students at school

National Average: 33%



Source: National School Voice Survey, Quaglia Institute

Goal Setting + Stretch Classes

Students select stretch and interest classes each trimester, setting goals with advisors to succeed in challenging and favorite subjects.

Applying What You Know

- Problem Solving
- Critical Thinking
- Communication
- Adaptability
- Perseverance

Practice Team Work and Self-Management Skills

PERSONAL HEALTH & WELLNESS CLASSES

- Strength & Conditioning
- Indoor / Outdoor Recreation
- Competitive Team Sports
- Net Games 1 & 2

Self-Management

- Time Management
- Team Work
- Professionalism
- Initiative
- Organization
- Independence



Class of 2028 & Beyond Graduation Requirements ** Class of 2026 & 2027 requirements, more detailed information, and advanced course replacements can be found in the Registration Guide



BHS Registration Info

found in the Registration Guide		
English (4.0 Credits)	English 9, English 10, English Lit & Comp., English Elective	
Math (3.0 Credits)	Intermediate Algebra, Geometry, Algebra 2	
Science (3.0 Credits)	Earth Science, Biology, Chemistry or Physics	
Social Studies (3.5 Credits)	Human Geography, US History, World History, Economics, Government & Citizenship	
Business (0.5 Credits)	Personal Finance	
Fine Arts (1.0 Credits)	All Art & Music Courses, See reg guide for more options	
Phys. Ed./Health (1.5 Credits)	PE 9, PE 10, Health	
Electives (11+ Credits)	Your choice of courses that support your interests and goals	
Total Required Credits	27.5 credits	

COLLEGE ADMISSION RECOMMENDATIONS

1 credit=2 trimesters	2-Year or Technical College	Traditional 4-Year College	Selective 4-Year College
English	4 cr.	4 cr.	4 cr.+
Math	3 cr.	3-4 cr.	4 cr.+
Science	3 cr.	3-4 cr.	4 cr.+
Social Studies	3.5 cr.	3.5 cr.	3.5 cr.+
World Language	Not Required	Completion Level 2	Completion Level 3+
The Arts	1 cr.	1 cr.	1-2 cr.+

"People who speak more than one language **earn 5% to 20% more** on average than those who do not." Source: www.workforceessentials.com

AM I TAKING WHAT I NEED?

Different types of colleges have unique academic requirements. See your counselor for more details.

World Language Options

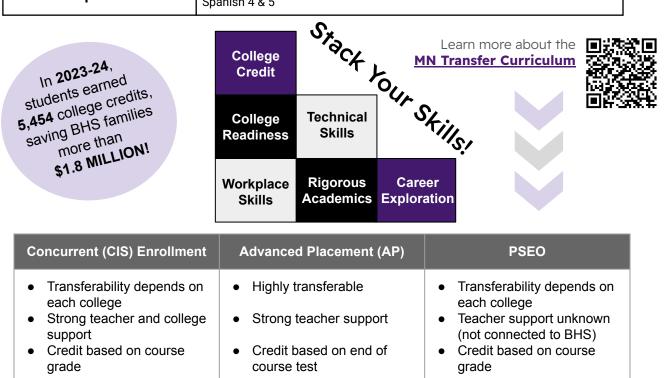
French	Levels 1-5Levels 4&5 earn
German	college creditCultural
Spanish	experiences and international travel options

BHS EARLY COLLEGE

Lead the Herd: College Credit, High School Experience!

Fulfill College General Education Requirements Now

College General Education Requirement	BHS College Classes	
Communication	CIS Writing & Critical Thinking, CIS Intro to Public Speaking	
Critical Thinking	CIS US History, CIS World History, CIS Writing & Critical Thinking	
Natural Sciences	CIS Chemistry I & II, CIS Human Anatomy, CIS Physics, AP Biology, CIS Animal Science	
Mathematics	CIS College Algebra, CIS Statistics, AP Calculus AB, AP Calculus BC	
History, Social, Behavioral Sciences	CIS Sociology, CIS Psychology, CIS US History, CIS World History	
Humanities & Fine Arts	CIS Music Theory & History, CIS Concert Band, CIS Concert Choir, CIS French 4 & 5, CIS German 4 & 5, CIS Spanish 4 & 5, CIS Intro to Literature	
Human Diversity	CIS Sociology, CIS US History	
Global Perspectives	CIS World History, CIS Business, CIS French 4 & 5, CIS German 4 & 5, CIS Spanish 4 & 5	



OPPORTUNITY KNOWLEDGE

BHS: Dream, Believe & Achieve

- EXPLORE MULTIPLE CAREER FIELDS
- FIND COURSES THAT MATCH YOUR INTERESTS
- BUILD YOUR SKILLS
- MAKE A PLAN THAT FITS YOUR PATH

Boost Your Readiness For COLLEGE & CAREERS!



College & Career Prep Classes @ BHS		
Introductory	Intermediate	Advanced
College & Career Exploration	CIS College & Career Prep	 On-the-Job Training WTC: Youth
AVID 9 & 10AVID Extension	 CIS College Academic Prep AVID 11 & 12 	 Apprenticeship WTC: Creating Entrepreneurial Opportunities (CEO)

AVID Elective Overview

make

AVID (Advancement Via Individual Determination) is an academic elective course that prepares students for college readiness and success. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth.

Additionally, students engage in activities centered around exploring college and career opportunities and their own agency. Graduates who have completed two or more years in AVID classes, including their senior year, will wear a silver cord at graduation to indicate their involvement.

AGRICULTURE // FOOD // NATURAL RESOURCES

- Agriculture, Food, & Natural Resources



RECOMMENDED CAREER AND TECHNICAL COURSES

Introductory

- Intro to Agriculture
- Intro to Business
- Animal Science
- Companion Animal Science
- CIS Landscaping / Landscaping

Intermediate

- Horse Science and Management
- Wildlife Biology
- Natural Resources / Wildlife Management
- Food Science

Advanced

- CIS Animal Science
- CIS Business
- CIS Entrepreneurship
- Veterinary Science
- WTC: Creating Entrepreneurial Opportunities (CEO)

RELATED COURSES, ACADEMICS, AND RECOMMENDED EXPERIENCES

Related Courses

- AP Biology
- CIS Chemistry
- Agriculture Construction
- Minnesota History

Academic Preparation

Students considering a 4-yr or advanced degree in this area should supplement interest courses with additional math and science.

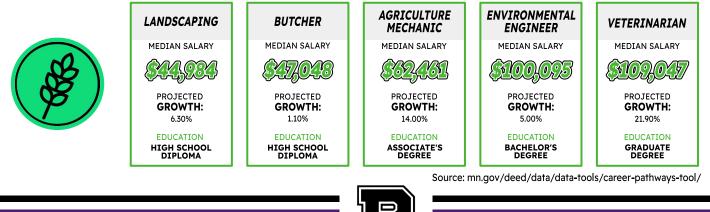
Recommended Experiences

- Business Professionals of America (BPA) - FFA
- On-the-Job Training



Course requirements may vary. Check course catalog.





KIND - PROUD - DRIVEN - LEADERS

:

BUSINESS // MANAGEMENT // ADMINISTRATION

- Accounting & Finance
- Business, Management, & Administration
- Hospitality & Tourism
- Marketing

RECOMMENDED CAREER AND TECHNICAL COURSES

Introductory

- Intro to Business
- Personal Finance
- Fundamentals of Food Prep

Intermediate

- Marketing
- Sports and Entertainment Marketing
- Accounting
- Culinary Foods
- Baking & Pastry

Advanced

- CIS Business
- CIS Entrepreneurship
- WTC: Creating Entrepreneurial Opportunities (CEO)
- WTC: Cosmetology Careers

RELATED COURSES, ACADEMICS, AND RECOMMENDED ACTIVITIES

Related Courses

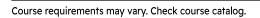
- CIS Statistics / Statistics
- CIS Intro to Public Speaking
- Computer Applications
- Food Science
- Financial Algebra

Academic Preparation

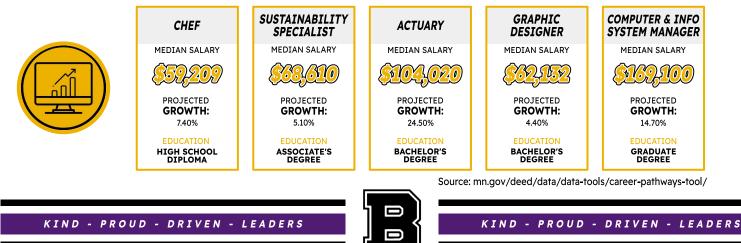
A strong background in math, writing, and speaking are key, in addition to a variety of electives in all career fields.

Recommended Experiences

- Business Professionals of America (BPA)



OCCUPATIONS





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ARTS/COMMUNICATION/INFORMATION SYSTEMS

- Arts, Audio & Visual Technology, and Communications



RECOMMENDED CAREER AND TECHNICAL COURSES

Introductory

- Art Foundations
- Drawing 1, Painting 1, Ceramics & Sculpture 1
- Repertory Band, Choir & Orchestra, Tenor Bass Repertory, Soprano Alto Repertory
- Fashion Design
- Textile Design
- Intro to Digital Photography & Video
- Digital & Graphic Design
- Journalism
- Debate
- Computer Applications

Intermediate

- CIS Intro to Public Speaking
- Drawing 2, Painting 2, Ceramics & Sculpture 2
- Varsity Band, Choir, & Orchestra
- Music Production
- Acting
- Mass Media
- Speech Communications

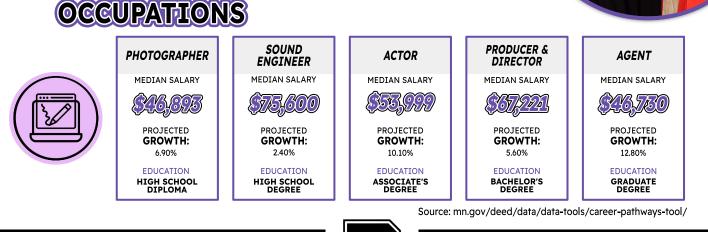
<u>Advanced</u>

- Ceramics & Sculpture 3
- CIS Concert Band & Choir

KIND - PROUD - DRIVEN - LEADERS

- Concert Orchestra
- Publications Writing (Yearbook)
- CIS Music Theory and History
- CIS Intro to Public Speaking

Course requirements may vary. Check course catalog for courses that meet the "Fine Arts" requirement.



- Creative Writing - English & Grammar Usage

AND RECOMMENDED EXPERIENCES

RELATED COURSES, ACADEMICS,

Academic Preparation

Related Courses

A solid liberal arts education, with a focus on skill development in one or more medium. Also, exposure to business and entrepreneurship courses

Recommended Experiences

- Ensemble music opportunities
- Marching Band, TriM Society
- Musical & Theatre Productions
- Competitive Music and Art experiences
- Yearbook Editor
- Esports

ARTS/COMMUNICATION/INFORMATION SYSTEMS

- Information Technology



RECOMMENDED CAREER AND TECHNICAL COURSES

Introductory

- Intro to Digital Photography & Video
- Digital & Graphic Design
- Computer Applications
- Intro to CAD
- Electricity / Electronics

Intermediate

- Intro to Computer Programming
- CIS 3D Mechanical Drawing

Advanced

- AP Computer Science A
- CIS Physics

RELATED COURSES, ACADEMICS, AND RECOMMENDED ACTIVITIES

Related Courses

- AP Calculus AB/BC
- CIS Creative Problem Solving

Academic Preparation

A foundation in mathematics, with both computer-based and hands-on electives is important. Students considering a 4-yr or advanced degree should build a strong base of math and science.

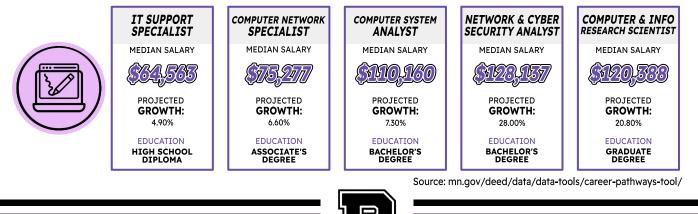
Recommended Activities

- Business Professionals of America (BPA)
- Esports

Course requirements may vary. Check course catalog.

OCCUPATIONS

KIND - PROUD - DRIVEN - LEADERS



ENGINEERING / MANUFACTURING // TECHNOLOGY

- Architecture & Construction
- Transportation, Distribution & Logistics
- Manufacturing



RECOMMENDED CAREER AND TECHNICAL COURSES

Introductory

- Energy Power Transportation
- Intro to CAD
- Wood Technology
- Intro to Welding
- Textile Design
- Technology Explorations
- Electricity / Electronics
- Robotics

Intermediate

- Intro to Construction
- Automotive Engineering and Design
- Architectural (House) Drawing
- Agriculture Construction
- Sheet Metal Fabrication
- Robotics 2
- Forensics
- CIS Auto Service & Maintenance
- Wood Technology 2
- CIS 3D Mechanical Drawing

Advanced

- CIS Wood Technology 3
- WTC: Construction Technology - WTC: Youth Apprenticeship

RELATED COURSES, ACADEMICS, AND RECOMMENDED ACTIVITIES

Related Courses

- World Languages
- Trigonometry
- CIS Statistics / Statistics
- CIS Math for the Trades
- CIS Creative Problem Solving

Academic Preparation

Students planning to work in the skilled trades may want consider apprenticeship opportunities. A balance of hands-on and academic preparation is important.

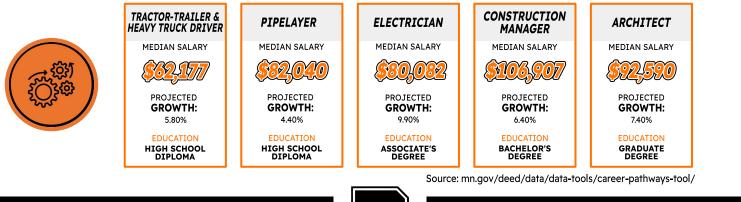
Recommended Experiences

- FFA
- Complete OSHA 10 Certification
- On-the-Job Training
- WTC: Automotive Technology
- WTC: Welding Technology
- WTC: Heavy Equipment Operator

Course requirements may vary. Check course catalog.



KIND - PROUD - DRIVEN - LEADERS



ENGINEERING // MANUFACTURING // TECHNOLOGY

- Science, Technology, Engineering & Mathematics



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RECOMMENDED CAREER AND TECHNICAL COURSES

Introductory

- Energy Power Transportation
- Intro to CAD
- Technology Explorations
- Electricity / Electronics
- Robotics

Intermediate

- Automotive Engineering and Design
- Architectural (House) Drawing
- Robotics 2
- Astronomy
- Trigonometry
- CIS 3D Mechanical Drawing
- CIS College Algebra / Pre-Calculus
- CIS Creative Problem Solving

Advanced

- AP Biology
- AP Calculus AB/BC
- CIS Statistics / Statistics
- CIS Chemistry
- CIS Competitive Engineering
- CIS Physics

RELATED COURSES, ACADEMICS, AND RECOMMENDED ACTIVITIES

Related Courses

- Intro to Computer Programming
- AP Computer Science
- CIS Math for the Trades

Academic Preparation

Students considering a 4-yr or advanced degree in this area should consider taking as much math and science as possible.

Recommended Experiences

- Business Professionals of America (BPA)
- FFA



Course requirements may vary. Check course catalog.

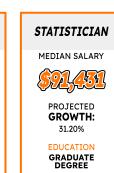


<u>76,898</u> PROJECTED GROWTH: 7.30%

EDUCATION HIGH SCHOOL DIPLOMA

A1,480 PROJECTED **GROWTH:** 7.40% EDUCATION ASSOCIATE'S DEGREE

CIVIL ENGINEERING ELECTRICAL **TECHNICIAN** ENGINEER MEDIAN SALARY MEDIAN SALARY 106,451 y*15*,052 PROJECTED GROWTH: 4.10% EDUCATION BACHELOR'S DEGREE BACHELOR'S DEGREE



Source: mn.gov/deed/data/data-tools/career-pathways-tool/

PROJECTED

GROWTH:

4.90%

EDUCATION

KIND - PROUD - DRIVEN - LEADERS

Health Science



RECOMMENDED CAREER AND TECHNICAL COURSES

Introductory

- Computer Applications
- Strength & Conditioning 1

Intermediate

- Forensics
- CIS Statistics / Statistics
- Mind & Body Connection
- Current Health Trends
- Strength & Conditioning 2

Advanced

- AP Biology
- CIS Chemistry
- CIS Human Anatomy
- CIS Exercise Physiology
- WTC: Health Science Technology
- WTC: Law Enforcement/Emergency Medical Responder

RELATED COURSES, ACADEMICS, AND RECOMMENDED ACTIVITIES

Related Courses

- World Languages
- Officiating & Coaching
- Sports & Entertainment Marketing
- CIS Intro to Sociology
- CIS Intro to Psychology/Psychology

Academic Preparation

A mix of Health, Science, and Social Studies courses. Students aiming for a 4-year or advanced degree in Health Science should also have a strong foundation in math and writing.

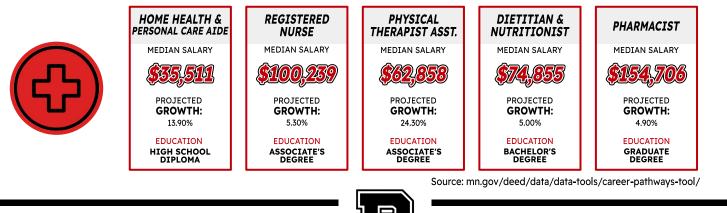
Recommended Experiences

- Business Professionals of America (BPA)
- CNA or other related work experience in
- long-term care facilities
- Participation in athletics
- Strength & Conditioning (before / after school)
- Scrub Club

Course requirements may vary. Check course catalog.



KIND - PROUD - DRIVEN - LEADERS



KIND - PROUD - DRIVEN - LEADERS

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HUMAN SERVICES

- Law, Public Safety, Corrections & Security Government & Public Administration
- Education & Training
- Human Services

RECOMMENDED CAREER AND TECHNICAL COURSES

Introductory

- Human Development: Prenatal-Toddler
- Child Develop: Pre-K-Teen
- Current Events
- Debate

Intermediate

- CIS Intro to Sociology
- CIS Intro to Psychology/Psychology
- Officiating & Coaching
- Social Issues & Diversity
- Forensics

Advanced

- CIS Intro to Education
- WTC: Early Childhood & Elementary Careers
- WTC: Law Enforcement/Emergency Medical Responder

RELATED COURSES, ACADEMICS, AND RECOMMENDED ACTIVITIES

Related Courses

- World Languages
- Unified Mentorship
- Minnesota History
- World Religions
- History Through Film

Academic Preparation

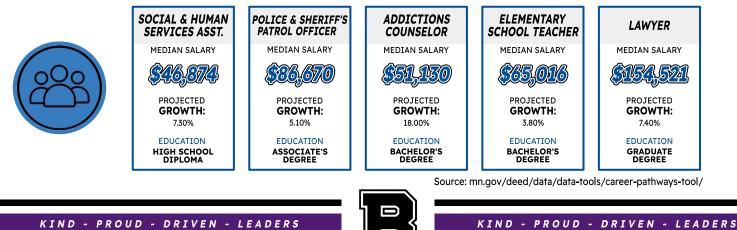
Strong academic preparation in English Language Arts and Social Studies.

Recommended Activities

- Experience coaching or leading youth
- BHS Future Teacher Academy
- National Honor Society
- Bison Connections
- Student Council
- Peer Coaching
- Mock Trial
- B1 Leaders

Course requirements may vary. Check course catalog.

OCCUPATIONS





ENLISTING IN THE US MILITARY



- Active Duty
 Reserves
 National Guard
 Split Training & Civilian Options



S Options to Join	 Full School Diploma Infantry Roles + Other Training Full Time & Part Time Options
Marine Corps	Navy Full/part time
FULL TIME	FULL TIME
Marine Corps	Navy
The Marine Corps is often first on the ground in combat situations.	The Navy delivers combat-ready Naval forces while maintaining security in the air and at sea.
PART TIME	PART TIME
Marine Corps Reserve	Navy Reserve
Marine Corps reservists train domestically and deploy with the rest of the Corps.	The Navy Reserve trains close to home. They serve in the U.S. or abroad in support of the Navy's mission.
	Options to Join Pull Time Marine Corps is often first on the ground in combat situations. PART TIME Marine Corps Reserves Marine Corps reservists train domestically and deploy with the

ENLISTING IN THE US MILITARY

- Enlisted Members

- Military Officers





Source: www.todaysmilitary.com/ways-to-serve/service-branches



Rigorous Academics

Students develop academic skills and can successfully complete rigorous college and career preparatory curriculum and experiences.

Opportunity Knowledge

Students research opportunities, set goals, make choices that support their long-term aspirations, and successfully navigate to the next level.

Student Agency

Students believe in themselves and act intentionally to build relationships, persist through obstacles, and activate their academic, social, emotional, and professional knowledge and skills to reach their potential.

The place to dream, believe and achieve.