

COURSES OFFERED

CORE CLASSES

ENGLISH

English 1
English 2
AP Literature
AP Language
AP Seminar
AP Research
American literature
Contemporary Literature
Cinema as Art
Creative Writing
Technical Writing

MATHEMATICS

Intro to Algebra
Algebra 1
AMPED (Alg 1)
Informal Geometry
Geometry in Construction
Geometry
Intermediate Algebra
Algebra 2
*College Algebra
AP Pre-Calculus
AP Calculus A/B
AP Statistics

SOCIAL STUDIES

Civics
AP Human Geography
World History
AP World History
US History
AP US History
US Government
AP US Government
AK History
Psychology
Legal Systems

SCIENCE

Biology
Physical Science
Anatomy & Physiology
Chemistry
Physics
Forensics
Bacteriology
AK Wildlife
AP Chemistry
AP Biology
AP Physics
AP Environmental Science

PHYSICAL EDUCATION

Health
Cross Training
Outdoor Recreation
Weight Training

WORLD LANGUAGE

Spanish 1, 2, & 3
French 1

* Dual Enrollment Course
(College Credit Optional)

CAREER & TECHNICAL CLASSES (CTE)

BUSINESS

*Technical Applications 1-3
Accounting 1-4
Desktop Publishing 1-2
Business Skills 1-2
Web Page Authoring
Advanced Web Authoring
Entrepreneurship
Marketing
Yearbook/Project Management
AP Computer Science
*Personal Finance
*Cisco Networking
Digital Media

BUILDING

Interior Design
Housing Concepts
Industrial Safety & First Aid
Cabinetry/Woodworking 1-4
Construction Trades 1-4
Intro to Engineering
Principles of Engineering
3D Solid Modeling
Robotics/Advanced Robotics
*Technical Drafting 1-4
*Architectural Drafting 1-4

CULINARY ARTS /TOURISM

Intro to Baking
Food & Nutrition
START
*Culinary 1-4

FITNESS

Intro to Fitness Professions
Physiology of Exercise

HEALTH

*Health Occupations
*Intro to Pharmacology
Medical Math
*Medical Terminology 1 & 2
Pharmacy Technician
Dental Assistant
*Certified Nursing Assistant (CNA)

HUMAN SERVICES

Intro to Vet Science
Veterinary Assistant 1 & 2
Intro to Career Pathways
Leadership Development
*Education Development & Psychology
Classroom Management
Professional Teaching

NATURAL RESOURCES

Intro to Forestry
Intro to Natural Resources
Wilderness First Aid
*Intro to Occupational Safety
*Process Technology
Forest Health & Protection
*Wildland/Firefighting

TRANSPORTATION

Intro to Aviation
*Private Pilot/Ground School
Hydraulic/Diesel Power
Airframe Structures 1 & 2

ADMINISTRATION & SUPPORT STAFF

Principal

Jason Ross
Jason.Ross@matsuk12.us
(907) 352-0402

Assistant Principal

Jolene McDowell
Jolene.McDowell@matsuk12.us
(907) 352-0403

Administrative Secretary

Kim Carney
Kimberly.Carney@matsuk12.us
(907) 352-0401

Front Office Secretary

Janet Milner
Janet.Milner@matsuk12.us
(907) 352-400

Counselors

Kristina Holman
Counselor for: last names A - G
Kristina.Holman@matsuk12.us
(907) 352-0416

Kahla Kallam
Counselor for: last names H - M
Kahla.Kallam@matsuk12.us
(907) 352-0408

Dannielle Chyko
Counselor for: last names N - Z
Dannielle.Chyko@matsuk12.us
(907) 352-0415

Registrar

Christine Sison
Chirstine.Sison@matsuk12.us
(907) 352-0451

Success Coach

Miriah Meade
Miriah.Meade@matsuk12.us
(907)-352-0414

Nurse

Sonja Mack
Sonja.Mack@matsuk12.us
(907)352-0417

Counseling Secretaries

Jenny Deeder
Jenny.Deeder@matsuk12.us
(907) 352-0453

Jennifer Wells
Jennifer.Wells@matsuk12.us
(907) 352-0449

MAT-SU CAREER AND TECHNICAL HIGH SCHOOL

HOME OF THE TIGERS

CTHS Mission Statement

CTHS prepares students for career and college success by engaging them in an enriched learning environment that fuels their ambition through real-world experiences, inspires excellence through rigor and promotes leadership and lifelong learning.

Matanuska-Susitna Borough School District

2472 North Seward Meridian Pkwy.
Wasilla, AK 99654
(907) 352-0400

www.matsuk12.us/cts

CEEB Code: 021-080



SCHOOL PROFILE

Community:

Spanning 25,000 square miles, the Matanuska Susitna Borough School District serves the educational needs of the Mat-Su Valley. Located in one of the state's fastest growing areas, the district enjoys a diversified economic base. The district currently consists of 52 schools: 22 elementary schools, 7 middle schools, 9 high schools and 13 non-traditional schools, which offer a wide range of specialized programs.

Our School:

Mat-Su Career and Technical High School, opened Fall 2007, is a comprehensive, four-year public high school enrolling 800 students in grades 9-12. Students are accepted through an application and lottery process. Most recently, our school has been named the Best High School in the state of Alaska for both 2022 and 2023 by US News & World Report.

Curriculum:

CTHS integrates a schedule of rigorous core classes including over 17 AP classes, with CTE elective classes in 28 CTE program of studies within 8 different career pathways. In addition, CTHS offers access to over 20 dual enrollment courses that a student can earn college credit, along with their high school credit, through Alaska colleges and universities.

AP courses currently offered; Literature, Language, Research, Seminar, Pre-Calculus, Calculus AB, Statistics, Biology, Chemistry, Physics, Environmental Science, Human Geography, World History, US History, US Government, and Computer Science Principles. Several other AP Courses are available through our iTech Online Program.

Career and Technical Education:

High school Career & Technical Education (CTE) connects students with postsecondary transitions to college, technical training centers, military, apprenticeships, and advanced entry into the workforce. CTE programs offer academic integration, technical skills attainment and industry recognized certifications in each of our career pathways: Building, Business, Culinary/Tourism, Fitness, Health, Human Services, Natural Resources, and Transportation. The Career and Technical Education component of our school prepares students for a wide range of high-wage, high-skill, high-demand careers.

Grading and Ranking:

Students are graded, using a four-point system with the following range: A=4.0, B=3.0, C=2.0, D=1.0, and F=0. Each semester, students are ranked within their class, with cumulative weighted GPA and cumulative unweighted GPA. Additional weight, on a 5 point-scale is given for AP classes and Dual Enrollment courses.

Grade Point Average Calculation:

GPA is computed using the above values. Beginning in grade nine, all subjects, whether passed or failed, are included in the computation. Grades are recorded on the transcript and cumulative weighted and unweighted GPA is calculated at the end of each semester.

REQUIRED COURSEWORK

Language Arts

Two semesters of English 1
Two semesters of English 2
Two semesters of AP Seminar
Two semesters of Language Arts electives

4 credits

Mathematics

Two semesters of Algebra
Two semesters of Geometry
Four semesters of Math electives

4 credits

Science

Two semesters of Physical Science
Two semesters of Life Science-Biology
Two semesters of Science electives

3 credits

Social Studies

One semester of Civics
Two semesters of World History
Two semesters of US History
One semester of Alaska History
One semester of US Government

3.5 credits

Health

One semester of Health

.5 credits

Physical Education

Two semesters of Physical Education

1 credit

Electives

Electives are additional courses in Career and Technical Education, Language Arts, Social Studies, Math, Science, World Language, and Physical Education

9.5 credits

Total Credits to Earn Diploma

25.5 credits

The CTHS Experience

- Quarterly Pathway Meetings
- Professional dress every Monday
- CTSO, Clubs & service organizations
- Academic and skills based competitions
- Career focused instruction
- Technical skills training
- Culture that emphasizes career readiness & real world employment expectations
- Comprehensive 4 year academic plan

Clubs

- Art Club
- Battle of the Books
- Bible Club
- Book Club
- Gay Straight Alliance
- Girls Who Code
- Ice Fishing
- National Technical Honor Society
- Quadcopter
- Robotics
- Rocket Club
- Science Bowl
- Student Government
- Tabletop Games
- Tiger Tribune
- Tiger TV

Career and Technical Student Organizations (CTSOs)

- Business Professionals of America (BPA)
- Educators Rising
- Future Farmers of America (FFA)
- Health Occupations Students of America (HOSA)
- ProStart
- Skills USA



MAT-SU CAREER AND
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HIGH SCHOOL

