

CTHS



Mission Statement



CTHS prepares students for real-world success through career pathways, inspires excellence through academic rigor, and empowers leadership through lifelong learning.



CTE (Career and Technical Education) PATHWAYS

Building

Fitness

Hospitality and Tourism

Transportation

Business & Info Tech

Health

Human Services

Natural Resources

Pathways lead to Programs



HEALTH PATHWAY >

PROGRAMS:

- BIOMEDICAL SCIENCE
- DENTAL ASSISTANT
- HEALTH INFORMATICS
- PHARMACY TECHNICIAN



Visit www.matsuk12.us/careertech
or call (907) 746-9274 for more information



BUILDING PATHWAY >

PROGRAMS:

- ARCHITECTURE & DRAFTING
- CABINETS & WOODWORKING
- CONSTRUCTION TRADES
- PRE-ENGINEERING
- WELDING




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or call (907) 746-9274 for more information

CTEP = CTE Program of Study

Business/Info Tech Pathway

**CAREER &
TECHNICAL
EDUCATION**
BUSINESS/INFO TECH PATHWAY
BUSINESS, FINANCE




ACCOUNTING & FINANCE PROGRAM

CTE COURSE SEQUENCE

FOUNDATIONAL (9TH & 10TH)	TECHNICAL (11TH & 12TH)
<ul style="list-style-type: none"> <input type="checkbox"/> Intro to Career Pathways <input type="checkbox"/> Customer Service <input type="checkbox"/> Technology Applications 1, 2, 3 <input type="checkbox"/> Business Skills Lab 1 & 2 <input type="checkbox"/> Accounting 1 & 2 - M 	<ul style="list-style-type: none"> <input type="checkbox"/> Accounting 3 & 4 - M <input type="checkbox"/> Desktop Publishing 1 <input type="checkbox"/> Personal Finance - M <input type="checkbox"/> Computerized Accounting - M <input type="checkbox"/> Entrepreneurship <input type="checkbox"/> Business Law <input type="checkbox"/> Yearbook/Project Management - LA
ACADEMIC ELECTIVE CREDITS: S = SCIENCE M = MATH LA = LANGUAGE ARTS SS = SOCIAL STUDIES	

ACADEMIC RIGOR	EARLY COLLEGE CREDIT OPTIONS
<ul style="list-style-type: none"> <input type="checkbox"/> Pre-Calculus with Trigonometry <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics 	<div style="background-color: #009688; color: white; padding: 2px; font-weight: bold; font-size: 0.8em;">COLLEGE CREDITS</div> <ul style="list-style-type: none"> <input type="checkbox"/> DUAL ENROLLMENT <li style="padding-left: 20px;"><input type="checkbox"/> Technology Applications 1, 2, 3 3 cr <li style="padding-left: 20px;"><input type="checkbox"/> Personal Finance 3 cr
<div style="background-color: #009688; color: white; padding: 2px; font-weight: bold; font-size: 0.8em;">STUDENT ORGANIZATION (CTSO)</div> <ul style="list-style-type: none"> <input type="checkbox"/> Skills USA <input type="checkbox"/> BPA 	
<div style="background-color: #009688; color: white; padding: 2px; font-weight: bold; font-size: 0.8em;">CERTIFICATION</div> <ul style="list-style-type: none"> <input type="checkbox"/> MOS - Word, Excel, Word Expert, Excel Expert, PowerPoint, Access <input type="checkbox"/> IC3 <input type="checkbox"/> Adobe InDesign <input type="checkbox"/> Entrepreneur/Small Business 	<div style="background-color: #009688; color: white; padding: 2px; font-weight: bold; font-size: 0.8em;">AP (WITH PASSING SCORE ON AP EXAM)</div> <ul style="list-style-type: none"> <input type="checkbox"/> AP Biology <input type="checkbox"/> AP Chemistry <input type="checkbox"/> AP Physics

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CTEP = CTE Program of Study Business/Info Tech Pathway

MAPPING YOUR 4-YEAR PLAN*

9TH GRADE

CREDITS

- Introduction to Career Pathways .5 cr
- Customer Service .5 cr
- Technology Applications 1 .5 cr
- Technology Applications 2 .5 cr
- Algebra 1 1 cr
- English 1 1 cr
- Physical Science 1 cr
- Civics .5 cr
- Health .5 cr
- PE 1 cr

10TH GRADE

CREDITS

- Accounting 1 - M .5 cr
- Accounting 2 - M .5 cr
- Technology Applications 3 .5 cr
- Introduction to Business .5 cr
- Business Skills Lab 1 .5 cr
- Business Skills Lab 2 .5 cr
- Geometry 1 cr
- English 2 1 cr
- Biology 1 cr
- World History 1 cr

11TH GRADE

CREDITS

- Accounting 3 - M .5 cr
- Accounting 4 - M .5 cr
- Desktop Publishing 1 .5 cr
- Personal Finance - M .5 cr
- Elective 1 cr
- Algebra 2 1 cr
- English 1 cr
- Science 1 cr
- U.S. History 1 cr

12TH GRADE

CREDITS

- Computerized Accounting - M .5 cr
- Entrepreneurship .5 cr
- Business Law .5 cr
- Cooperative Work Experience/ Yearbook/
Project Management (LA) or other Business
Electives 1 cr
- Elective .5 cr
- Advanced Math 1 cr
- English 1 cr
- Science 1 cr
- U.S. Government .5 cr
- AK History .5 cr

*These are suggested courses to best prepare students for post-secondary transitions and credentialing. Actual courses may depend on school schedule availability and enrollment capacity. Some classes may be available at other locations through District-wide or course share options. Graduation requirements for number of credits and required courses are set at a district level and are subject to change. Talk to your counselor about your graduation requirements and to schedule your courses.

STACKABLE CREDENTIALS & DEGREES*

HIGH SCHOOL

- Dual Enrollment
- Academic AP

INDUSTRY CERTIFICATION

- Microsoft Office Specialist
- Adobe
- Entrepreneur/Small Business

APPRENTICESHIP

- Private Entity

COLLEGE

- Occupational Endorsement Certificate in: Bookkeeping, Business Leadership, Administrative Assistant, Accounting, Financial Services
- Representative and Entrepreneurship
- Associate of Applied Science - Accounting, Business,
- Bachelor of Business Administration - Accounting and Finance
- Master of Business Administration
- Master of Accounting

*Listed Certifications, Apprenticeships and College Degree Programs represent a SAMPLE of available credentials. Available credentials are subject to change due to industry and postsecondary institution changes.



PRE-ENGINEERING PROGRAM

CTE COURSE SEQUENCE

FOUNDATIONAL (9TH & 10TH)

- Intro to Career Pathways
- Customer Service
- Technology Applications
- Technical Drafting 1 & 2 - M
- Principles of Engineering - M
- Introduction to Engineering Design - M

TECHNICAL (11TH & 12TH)

- Technical Drafting 3 & 4 - M
- Digital Electronics - M
- Robotics - S
- Competition Robotics - S
- Advanced Robotics - S
- 3D Solid Modeling - M
- Civil Engineering & Architecture - M

ACADEMIC ELECTIVE CREDITS: S = SCIENCE M = MATH LA = LANGUAGE ARTS SS = SOCIAL STUDIES

ACADEMIC RIGOR

- Pre-Calculus with Trigonometry
- Chemistry
- Physics

STUDENT ORGANIZATION (CTSO)

- Skills USA

CERTIFICATION

- AutoCAD SolidWorks (CSWA)
- Inventor, Revit

**EARLY COLLEGE CREDIT
OPTIONS**

**COLLEGE
CREDITS**

DUAL ENROLLMENT

- Technology Applications 1, 2, 3 3 cr
- Technical Drafting 1 1 cr
- Technical Drafting 2 1 cr
- Technical Drafting 3 & 4 3 cr

AP (WITH PASSING SCORE ON AP EXAM)

- AP Calculus
- AP Biology
- AP Chemistry
- AP Physics

**CTEP = CTE
Program of
Study**

Building Pathway

**Pre-Engineering
Program**

CTEP = CTE Program of Study Building Pathway Pre-Engineering Program

MAPPING YOUR 4-YEAR PLAN*

9TH GRADE

CREDITS

- Introduction to Career Pathways .5 cr
- Customer Service .5 cr
- Principles of Engineering - M 1 cr
- Algebra 1 1 cr
- English 1 1 cr
- Physical Science 1 cr
- Civics .5 cr
- Health .5 cr
- PE 1 cr

10TH GRADE

CREDITS

- Introduction to Engineering Design - M 1 cr
- Technical Drafting 1 - M .5 cr
- Technical Drafting 2 - M .5 cr
- Technology Applications 1 .5 cr
- Technology Applications 2 .5 cr
- Geometry 1 cr
- English 2 1 cr
- Biology 1 cr
- World History 1 cr

11TH GRADE

CREDITS

- Digital Electronics OR 3-D Solid Modeling - M 1 cr
- Technical Drafting 3 - M .5 cr
- Technical Drafting 4 - M .5 cr
- Robotics - S .5 cr
- Competition Robotics - S .5 cr
- Algebra 2 1 cr
- English 1 cr
- Science 1 cr
- U.S. History 1 cr

12TH GRADE

CREDITS

- Civil Engineering and Architecture - M 1 cr
- Cooperative Work Experience 1 cr
- Advanced Robotics - S .5 cr
- Elective .5 cr
- Algebra 2 1 cr
- English 1 cr
- Science 1 cr
- U.S. History 1 cr

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STACKABLE CREDENTIALS & DEGREES*

HIGH SCHOOL

- Dual Enrollment
- Academic AP

INDUSTRY CERTIFICATION

- AutoCAD
- SolidWorks (CSWA)
- Inventor, Revit

APPRENTICESHIP

- Trade Unions
- Private Entity

COLLEGE

- Associate of Applied Science in Construction Management
- Bachelor of Science in Construction Management
- Bachelor of Science in Engineering (Civil, Electrical, Mechanical, Chemical)

*Listed Certifications, Apprenticeships and College Degree Programs represent a SAMPLE of available credentials. Available credentials are subject to change due to industry and postsecondary institution changes.

What will I experience at Career Tech High that reflects the school's mission?

- Pathway Days
- Professional Dress Days
- Specific courses such as:
 - Introduction to Careers
 - Personal Finance
- Business & Industry inside and outside of your classes
- CTSOs as a major activity (sports & fine arts are housed at boundary schools)
- Academic Rigor mixed with career & “after high school” connections
- Skills training intensity -
- CTHS part-time students are important members of the CTHS Family
- A culture that emphasises employment expectations:
 - Showing up to learn/work
 - Being on time
 - Being prepared
 - Being excited and ready to learn/work
 - Working hard, problem solving, teamwork



CAREER & TECHNICAL EDUCATION

MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT

PROGRAMS

PALMER HIGH

- Agriculture & Natural Resources
- Automotive Technology
- Business & Information Technology
- Cabinetry, Carpentry & Construction
- Culinary Arts
- Education & Teacher Training
- Welding

DISTRICT-WIDE CTE OFFERINGS
Available to all MSBSD students

- Aviation
- Certified Nursing Assistant
- Construction Trades
- Dental Assisting
- Forestry
- Health & Fitness
- Hydraulic Fluids
- Culinary Arts
- Networking (CISCO)
- Oil, Gas & Utilities Process
- Online CTE Courses
- Outdoor Power Equipment
- Pharmacy
- Veterinary Assisting
- Welding
- Wildland Fire Science

WASILLA HIGH

- Architectural and Technical Drafting
- Business & Finance
- Construction, Carpentry & Cabinetry
- Automotive
- Education & Teacher Training
- Digital Media
- Computer Science & Robotics

COLONY HIGH

- Architectural & Technical Drafting
- Business & Finance
- Digital Media
- Computer Science & Robotics
- Education & Teacher Training
- Small Engines – Power Equipment
- Welding/Industrial Tech

HOUSTON JR/SR HIGH

- Business/IT/Digital Media
- Construction, Carpentry & Cabinetry
- Education & Teacher Training
- Healthcare Ed. & Emergency/Trauma
- Small Engines & Welding

BURCHELL, MAT-SU CENTRAL & TWINDLY BRIDGE

- Access to District-wide Career & Technical Education courses

VALLEY PATHWAYS

- Business & Technology
- Access to District-wide Career & Technical Education courses

GLACIER VIEW

- Welding

ALL MIDDLE SCHOOLS

- STEM/STEAM/Industrial Technology

SU VALLEY JR/SR HIGH

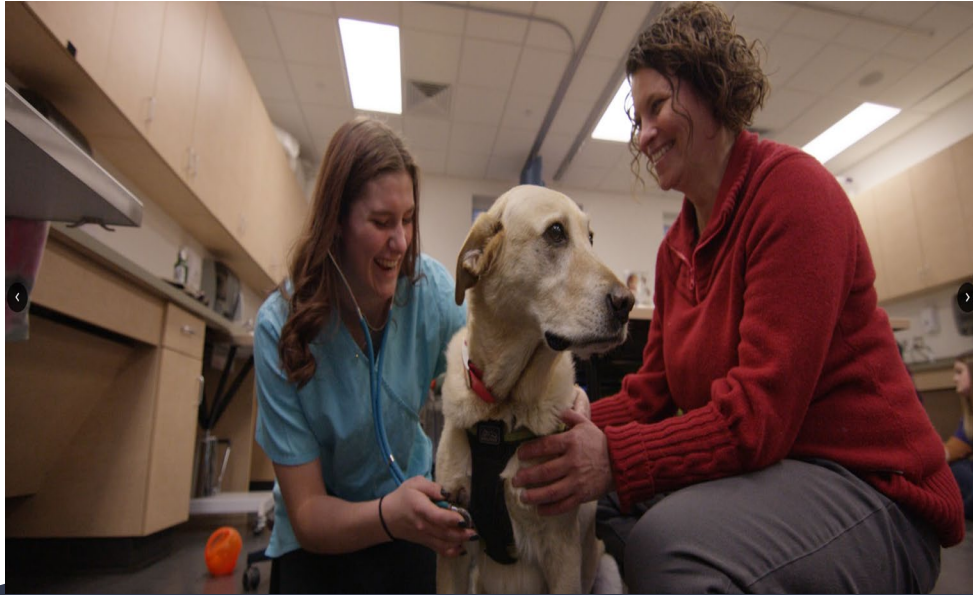
- Business & Computer Science
- Construction, Carpentry & Cabinetry
- Drafting and Global Info Systems
- Small Engines
- Welding

MAT-SU CAREER & TECHNICAL HIGH

- Architectural & Technical Drafting
- Business & Finance
- Computer Science
- Construction, Carpentry & Cabinetry
- Culinary Arts
- Health Sciences
- Industrial Technology
- Pre-Engineering
- Robotics

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MSBSD CTE Video



Questions

