

2023-2024 Core Class Options – Career Tech High School

English (4 credits)		
English 1	English 1	1101/1102
English 2	English 2	1201/1202
2 English Elective Credits	AP Seminar	1431/1432
	American Literature & British Literature (English 3 Equiv)	1500/1510
	Cinema as Art (sem)	1610
	Creative Writing (sem)	1630
	Contemporary Literature (sem)	1560
	Alaska Literature (sem)	1730
	Technical Writing (sem)	1471
	AP Research	1881/1882
	AP Literature	1441/1442
AP Language & Composition	1451/1452	

Math (3 - 4 credits)		
Algebra 1	Algebra 1	2121/2122
Geometry	Geometry or Informal Geometry	2221/2222 or 2211/2212
1 Math Elective Credit	Intro to Algebra	2113/2114
	Intermediate Algebra	2191/2192
	Algebra 2	2321/2322
	AP Pre-Calculus	2431/2432
	College Algebra	2701/2702-W
	AP Calculus AB	2441/2442
	AP Calculus BC	2451/2452
	AP Statistics	2531/2532

Physical Education/Health (1.5 credits)		
Health 0.5 PE 1.0	Health (sem)	5100
	Fitness Activities (9th - 12th)	5221/5222
	Cross Training (10th - 12th)	5211/5212
	Outdoor Recreation (9th -12th)	5541/5542
	Weight Training (after 1.0 credit PE complete)	5271/5272

Social Studies (3.5 - 4 credits)		
Civics	Civics (sem)	3450
World History	World History or AP World History	3201/3202 or 3231/3232
US History	US History or AP US History	3301/3302 or 3331/3332
AK History	AK History (sem)	3540
US Government	US Government (sem) or AP US Government	3400 or 3421/3422
Other Electives	Comparative World Religions (sem)	3520
	Psychology (sem)	3260
	AP Human Geography	3511/3512

Science (3 - 4 credits)		
Life Science	Biology	4201/4202
Physical Science	Physical Science or Chemistry	4101/4102 or 4321/4322
1 Science Elective Credit	Anatomy & Physiology	4331/4332
	Physics	4421/4422
	AP Biology	4431/4432
	AP Environmental Science	4521/4522
	AP Chemistry	4441/4442
	AP Physics	4621/4622
	Bacteriology (sem)	4350
	Forensics (sem)	4710

World Language (not required)		
Recommended to complete 2 years for some colleges	Spanish 1	6211/6212
	Spanish 2	6221/6222
	Spanish 3	6231/6232
	Russian 2	6311/6312

*sem - semester long course (0.5 credits)

Matsu Career and Technical High School

2023-2024 CTE/Elective Options

BUILDING

Industrial Safety & First Aid	84140
Cabinet/Woods 1 & 2 YL (MATH)	86210/86220
Cabinet/Woods 3 & 4 YL (MATH)	86230/86240
Interior Design S1	82050
Housing Concepts S2	86120
Intro Engineering Design YL (MATH)	86401/86402
Principles Engineering YL (MATH)	86411/86412
3D Solid Modeling YL (MATH)	86441/86442
Robotics/Adv Robotics YL (SCI)	84730/84740
Tech Drafting 1 & 2+ (MATH)	86010/86020-W
Tech Drafting 3 & 4+ (MATH)	86030/86040-W
Arch Drafting 1 & 2+ (MATH)	86050/86060-W
Arch Drafting 3 & 4 (MATH)	86070/86080-W
*Construction Trades 1 YL (MATH)	86131/86132
*Construction Trades 2 YL (MATH)	86141/86142

FITNESS

*Intro to Fitness Professions S1	84031/84032
*Physiology of Exercise & Fitness S2	84091/84092

HEALTH

+Health Occupations	84020-W
Intro to Vet Science (SCI)	81040
*+CNA (SCI)	84050-W
+Intro to Pharmacy (SCI)	84070-W
Medical Math (MATH)	84100
*+Medical Term 1 & 2 (SCI)	84121/84122-W
Dental Assistant (SCI)	84311/84312
*+Pharmacy Tech (SCI)	84081/84082
*Vet Assistant 1 & 2(SCI)	84400/84410

YL = Yearlong course + = Dual Enrollment
S1 = Semester 1 S2 = Semester

Shaded = for 11th & 12 grade ONLY

BUSINESS

Technical Applications 1	83030
+Technical Applications 2	83040-W
+Technical Applications 3	83050-W
Business Skills Lab 1	83080
Business Skills Lab 2	83090
Internet of Everything (LA)	83410
Desktop Publishing 1 S1	83200
Desktop Publishing 2 S2	83210
Web Design/Adv Web Design YL (LA)	83440/83450
Accounting 1 & 2 (MATH)	83110/83120
Accounting 3 & 4 (MATH)	83130/83140
+Personal Finance (MATH)	83250-W
Marketing S1 (SOC)	83710
Entrepreneurship S2 (LA/SOC)	83700
+ A+ (maint/repair) & N+ (Network)	83550-W/83600
AP Comp Sci Principles YL (SCI)	84831/84832
Yearbook YL (LA)	89941/89942
*Networking - CISCO YL (MATH)	83610/83620
Digital Media YL (LA)	82110/82120

HUMAN SERVICES

Intro to Career Pathways	85000
Leadership Development S1 (SOC)	85320
Educational Development S2 (SOC)	85330
Classroom Management/Plan S1 (SOC)	85340
The Professional Teacher S2 (SOC)	85350
Peer Mentor (Partner's PE) YL	9711/9712

NATURAL RESOURCES

Intro to Forestry S1 (SCI)	81060
Intro to Nat Res/Ag S2 (SCI)	81070
Wilderness First Aid (10-12)	84320
*Wildland/Firefighting (SCI)	81130
*Forest Health & Protection (SCI)	81140

TRANSPORTATION

Intro to Aviation	86720
Private Pilot (Ground School)	86711/86712
*Airframe Structures 1 (sem)	86731/86732
*Airframe Structures 2 (sem)	86741/86742
+Process Technology (SCI)	86341/86342-W
+Intro to Occupational Safety	86351/86352-W
Hydraulic/Diesel Power (SCI)	86911/86912

TOURISM & CULINARY

Food & Nutrition (SCI)	86450
Intro to Baking	85161
Intro to Culinary (Prereq)	85160
*Culinary 1/2 & 3/4	85200/85201-W

CTE COURSES AT OTHER SCHOOLS

*Automotive Services Technology (WHS)	86511/86512 86521/86522
*Outdoor Power Equipment Technology (CHS)	86651/86652
*+Welding Technology (CHS)	86311/86312 86321/86322

OTHER (NON-CREDIT)

Online (APEX, eDynamics)	ONLINE1/2
Concurrent	CNCR
See Counselor	COUN
Off Campus	9981/9982
Seminary (Off Campus)	Sem1/Sem2

***Double block classes; 2 periods. See your counselor for more information.**

Courses marked with (Prereq) have prerequisites, check with your counselor for information.