

Odessa Career & Technical Early College High School (OCTECHS)

Dual Credit Matrix – Graduates of 2021 and Beyond

**This matrix and its courses are applicable to ONLY students enrolled in OCTECHS. For information regarding admission into OCTECHS, contact Karl Miller, OCTECHS Principal, at 432.456.6409

Dual courses are subject to change based on Odessa College pathways and requirements.

ORIENTATION

9th Grade

ECISD Course	ECISD Credit	Odessa College Course	OC Credit
College Readiness and Study Skills GPA: None Course Number TBD PEIMS 03270100	½ cr.	PSYC 1300: Learning Framework TSI: NA Optional Check with your University to ensure this course will transfer	3 hrs.

AUTOMOTIVE TECHNOLOGY

9th Grade

Automotive Basics Semester 1 6884 PEIMS #13039550	½ cr.	AUMT 1301: Intro & Theory of Auto Tech	3 hrs.
PE Foundations of Personal Fitness Semester 1 6794 PEIMS # PES00052	½ cr.	KINE 1106: Jogging/Walking	1 hr.
Automotive Basics Semester 2 6894 PEIMS #13039550	½ cr.	AUMT 1407: Automotive Electrical Systems	4 hrs.
PE Foundations of Personal Fitness Semester 2 6795 PEIMS # PES00052	½ cr.	KINE 1164: Intro to Physical Fitness/Sport	1 hr.

10th Grade

Automotive Technology I Semester 1 6895 PEIMS #13039600	½ cr.	AUMT 1310: Automotive Brake Systems • Prerequisite: AUMT 1301/1407 (70+)	3 hrs.
6896 PEIMS #13039600	1 cr.	AUMT 2437: Automotive Electronics • Prerequisite: AUMT 1301/1407 (70+)	4 hrs.
Automotive Technology II Semester 2 6897 PEIMS #13039700	1 cr.	AUMT 1419: Automotive Engine Repair • Prerequisite: AUMT 1301/1407 (70+)	4 hrs.
6898 PEIMS #13039700	1 cr.	AUMT 1416: Automotive Suspension & Steering • Prerequisite: AUMT 1301/1407 (70+)	4 hrs.

AUTOMOTIVE TECHNOLOGY (cont.)

11th Grade

Automotive Technology II Semester 1 6899 PEIMS #13039710	½ cr.	AUMT 1345: Auto Climate Control Systems • Prerequisite: AUMT 2437 (70+)	3 hrs.
6900 PEIMS #13039710	½ cr.	AUMT 2317: Auto Engine Performance Analysis I • Prerequisite: AUMT 2437/1419 (70+)	3 hrs.
U.S. History Semester 1 2534 PEIMS #03340100	½ cr.	HIST 1301: US History I • TSI: Reading • EOC: CANNOT BE TAKEN ONLINE	3 hrs.
U.S. History Semester 1 2534 PEIMS #03340100	½ cr.	HIST 1302: US History II • TSI: Reading • EOC: CANNOT BE TAKEN ONLINE	3 hrs.
Automotive Technology II Semester 2 6901 PEIMS #13039710	½ cr.	AUMT 2313: Automotive Drive Train and Axles • Prerequisite: AUMT 1301/1407 (70+)	3 hrs.
6902 PEIMS #13039710	½ cr.	AUMT 2334: Auto Engine Performance Analysis II • Prerequisite: AUMT 2317 (70+)	3 hrs.
Art Appreciation Semester 2 4591 PEIMS #03500110	½ cr.	ARTS 1301: Art Appreciation • TSI: NA	3 hrs.
Technical Writing Semester 1 6790 PEIMS #03221100	½ cr.	ENGL 2311: Technical & Business Writing • TSI: NA	3 hrs.

12th Grade

Automotive Technology II Semester 1 6903 PEIMS #13039710	1 cr.	AUMT 2425: Automotive Automatic Transmission & Transaxle • Prerequisite: AUMT 1419/2313 (70+)	4 hrs.
Independent Studies in Math Semester 1 2491 PEIMS #03102500	½ cr.	MATH 1332: Contemporary Mathematics • TSI: Math	3 hrs.
Practicum Automotive Technology Semester 2 6867 PEIMS #13040470 6904 PEIMS #13040460	1½ cr. 1 cr.	AUMT 2388: Internship AUMT 2443: Adv. Emission Systems Diagnostics • Prerequisite: AUMT 2434 (70+)	3 hrs. 4 hrs.
Economics Semester 2 2536 PEIMS #03310300	½ cr.	ECON 2301: Macroeconomics • TSI: Reading	3 hrs.

BUSINESS LEADERSHIP

9th Grade

Business Leadership I Semester 1 6705 PEIMS #13012200	½ cr.	BMGT 2309: Leadership	3 hrs.
PE Foundations of Personal Fitness Semester 1 6794 PEIMS #PES00052	½ cr.	KINE 1106: Jogging/Walking	1 hr.
Internetworking Technologies I Semester 2 8600 PEIMS #N1302803	½ cr.	ITSC 1301: Introduction to Computers	3 hrs.
PE Foundations of Personal Fitness Semester 2 6795 PEIMS #PES00052	½ cr.	KINE 1164: Intro to Physical Fitness/Sport	1 hr.

10th Grade

Professional Communications (Speech) Semester 1 6800 PEIMS #13009900	½ cr.	BMGT 1305: Communications in Management	3 hrs.
Human Resource Management Semester 1 6702 PEIMS #13011510	½ cr.	HRPO 1311: Human Relations	3 hrs.
Business Leadership II Semester 2 6708 PEIMS #13012200 6704 PEIMS #13011510	½ cr. ½ cr.	ACNT 1311: Intro to Computerized Accounting BMGT 1341: Business Ethics	3 hrs. 3 hrs.

11th Grade

Practicum Business Leadership Semester 1 6701 PEIMS #13011400 6706 PEIMS #13012200	½ cr. ½ cr.	BMGT 1301: Supervision BMGT 2303: Problem Solving & Decision Making	3 hrs. 3 hrs.
Practicum Business Leadership Semester 2 6707 PEIMS #13012200 6703 PEIMS #13011900	½ cr. ½ cr.	BMGT 2310: Financial Management HRPO 2301: Human Resource Management	3 hrs. 3 hrs.
Art Appreciation Semester 2 4591 PEIMS #03500110	½ cr.	ARTS 1301: Art Appreciation <ul style="list-style-type: none"> • TSI: NA 	3 hrs.
Music Appreciation Semester 2 4653 PEIMS #03155600	½ cr.	MUSI 1306: Music Appreciation <ul style="list-style-type: none"> • TSI: NA 	3 hrs.

BUSINESS LEADERSHIP (cont.)

12th Grade

Extended Practicum Business Leadership Semester 1 6710 PEIMS #13012215 6712 PEIMS #13012215 8414 PEIMS #13012205 6865 PEIMS #13012215	½ cr. ½ cr. ½ cr. ½ cr.	BMGT 1344: Negotiation & Conflict Mgmt. MRKG 1311: Principles of Marketing BMGT 1327: Principles of Management BMGT 2311: Change Management	3 hrs. 3 hrs. 3 hrs. 3 hrs.
Technical Writing Semester 1 6790 PEIMS #03221100	½ cr.	ENGL 2311: Technical & Business Writing <ul style="list-style-type: none"> • TSI: NA 	3 hrs.
Independent Studies in Math Semester 1 2491 PEIMS #03102500	½ cr.	MATH 1332: Contemporary Math <ul style="list-style-type: none"> • TSI: Math 	3 hrs.
Extended Practicum Business Leadership Semester 2 6711 PEIMS #13012215	1½ cr.	BMGT 2388: Internship	3 hrs.
Economics Semester 2 2536 PEIMS #03310300	½ cr.	ECON 2301: Principles of Macroeconomics <ul style="list-style-type: none"> • TSI: Reading 	3 hrs.
US Government Semester 2 2025 PEIMS #03330100	½ cr.	GOVT 2305: Federal Government <ul style="list-style-type: none"> • TSI: Reading 	3 hrs.

CRIMINAL JUSTICE

9th Grade

Principles of Criminal Justice Semester 1 6713 PEIMS #13029300	½ cr.	CRIJ 1301: Introduction to Criminal Justice	3 hrs.
PE Foundations of Personal Fitness Semester 1 6794 PEIMS #PES00052	½ cr.	KINE 1106: Jogging/Walking	1 hr.
Principles of Criminal Justice Semester 1 6725 PEIMS #13030115	½ cr.	CRIJ 2328: Police Systems and Practices <ul style="list-style-type: none"> • Prerequisite: CRIJ 1301 (70+) 	3 hrs.
PE Foundations of Personal Fitness Semester 2 6795 PEIMS #PES00052	½ cr.	KINE 1164: Intro to Physical Fitness/Sport	1 hr.

10th Grade

Court Systems and Practices Semester 1 6714 PEIMS #13029300 6720 PEIMS #13030105	½ cr. ½ cr.	CRIJ 1306: Court Systems and Practices <ul style="list-style-type: none"> • Prerequisite: CRIJ 1301 (70+) CRIJ 2313: Correctional Systems & Practices <ul style="list-style-type: none"> • Prerequisite: CRIJ 1301 (70+) 	3 hrs. 3 hrs.
Criminal Justice I Semester 2 6719 PEIMS #13030105 6717 PEIMS #13029550	½ cr. ½ cr.	CRIJ 1310: Fundamentals of Criminal Law CRIJ 1313: Juvenile Justice System	3 hrs. 3 hrs.

CRIMINAL JUSTICE (cont.)

11th Grade

Criminal Justice II Semester 1 6716 PEIMS #13029400 6721 PEIMS #13030105	 ½ cr. ½ cr.	CJCR 1304: Probation and Parole CJLE 1327: Interviewing & Report Writing CJ	 3 hrs. 3 hrs.
English III Semester 1 6798 PEIMS #03220300	½ cr.	ENGL 1301: Composition I <ul style="list-style-type: none"> • TSI: Writing 	3 hrs.
English III Semester 1 6799 PEIMS #03220300	½ cr.	ENGL 1302: Composition II <ul style="list-style-type: none"> • Prerequisite: ENGL 1301 (70+) 	3 hrs.
Princip-Law Public Safety, Corrections, Security Semester 2 8715 PEIMS #13029200	½ cr.	SOCI 2336: Criminology <ul style="list-style-type: none"> • TSI: NA 	3 hrs.
Criminal Investigation Semester 2 6723 PEIMS #13030105 6722 PEIMS #13029550	 ½ cr. ½ cr.	CJLE 1346: Human Trafficking CRIJ 2314: Criminal Investigation	 3 hrs. 3 hrs.
Art Appreciation Semester 2 4591 PEIMS #03500110	½ cr.	ARTS 1301: Art Appreciation <ul style="list-style-type: none"> • TSI: NA 	3 hrs.

12th Grade

Extended Practicum Criminal Justice Semester 1 6724 PEIMS #13030110 6726 PEIMS #13030110	 ½ cr. ½ cr.	HMSY 1337: Intro to Homeland Security CJSA 1330: Cybercrimes	 3 hrs. 3 hrs.
Technical Writing Semester 1 6790 PEIMS #03221100	½ cr.	ENGL 2311: Technical & Business Writing <ul style="list-style-type: none"> • TSI: NA 	3 hrs.
US Government Semester 1 2025 PEIMS #03330100	½ cr.	GOVT 2305: Federal Government <ul style="list-style-type: none"> • TSI: Reading 	3 hrs.
Extended Practicum Criminal Justice Semester 2 6718 PEIMS #13030115 6891 PEIMS #13030115	 ½ cr. ½ cr.	CJSA 1348: Ethics in Criminal Justice CJSA 2334: Contemporary Issues in CJ	 3 hrs. 3 hrs.
Independent Studies in Math Semester 2 2491 PEIMS #03102500	½ cr.	MATH 1332: Contemporary Math <ul style="list-style-type: none"> • TSI: Math 	3 hrs.

CULINARY ARTS

9th Grade

Culinary Arts I Semester 1 6728 PEIMS #13022600 6729 PEIMS #13022600	 ½ cr. ½ cr.	CHEF 1305: Sanitation and Safety CHEF 1301: Basic Food Prep	 3 hrs. 3 hrs.
PE Foundations of Personal Fitness Semester 1 6794 PEIMS #PES00052	½ cr.	KINE 1106: Jogging/Walking	1 hr.
PE Foundations of Personal Fitness Semester 1 6795 PEIMS #PES00052	½ cr.	KINE 1164: Intro to Physical Fitness/Sport	1 hr.
Culinary Arts I Semester 2 6730 PEIMS #13022600 6731 PEIMS #13022600	 ½ cr. ½ cr.	PSTR 1301: Fundamentals of Baking IFWA 1318: Nutrition Food Service Profession	 3 hrs. 3 hrs.

10th Grade

Advanced Culinary Arts Semester 1 6735 PEIMS #13022650 6733 PEIMS #13022650	 ½ cr. ½ cr.	CHEF 2301: Intermediate Food Prep <ul style="list-style-type: none"> • Prerequisite: CHEF 1301/1305 (70+) RSTO 1321: Menu Management	 3 hrs. 3 hrs.
Music Appreciation Semester 1 4653 PEIMS #03155600	½ cr.	MUSI 1306: Music Appreciation <ul style="list-style-type: none"> • TSI: NA 	3 hrs.
Advanced Culinary Arts Semester 2 6732 PEIMS #13022650 6734 PEIMS #13022650	 ½ cr. ½ cr.	CHEF 1310: Garde Manger <ul style="list-style-type: none"> • Prerequisite: CHEF 1301 (70+) RSTO 1325: Purchasing for Hospitality	 3 hrs. 3 hrs.
Art Appreciation Semester 2 4591 PEIMS #03500110	½ cr.	ARTS 1301: Art Appreciation <ul style="list-style-type: none"> • TSI: NA 	3 hrs.

CULINARY ARTS (cont.)

11th Grade

Extended Practicum Culinary Arts I Semester 1 6736 PEIMS #13022705 6737 PEIMS #13022705	½ cr. ½ cr.	CHEF 1340: Meat Preparation and Cooking • Prerequisite: CHEF 1301/2301 (70+) RSTO 1313: Hospitality Supervision	3 hrs. 3 hrs.
Professional Communications (Speech) Semester 1 6800 PEIMS #13009900	½ cr.	SPCH 1321: Business & Professional Speech • TSI: NA	3 hrs.
Extended Practicum Culinary Arts I Semester 2 6739 PEIMS #13022705 6738 PEIMS #13022705	½ cr. 1 cr.	CHEF 2331: Advanced Food Prep • Prerequisite: CHEF 2301 (70+) PSTR 2331: Advanced Pastry Shop • Prerequisite: PSTR 1301 (70+)	3 hrs. 3 hrs.
English III Semester 2 6798 PEIMS #03220300	½ cr.	ENGL 1301: Composition I • TSI: Writing	3 hrs.
English III Semester 2 6799 PEIMS #03220300	½ cr.	ENGL 1302: Composition II • Prerequisite: ENGL 1301 (70+)	3 hrs.

12th Grade

Extended Practicum Culinary Arts II Semester 1 6741 PEIMS #13022715 6740 PEIMS #13022715	1 cr. ½ cr.	RSTO 1304: Dining Room Service CHEF 1314: A La Carte Cooking • Prerequisite: CHEF 2331 (70+)	3 hrs. 3 hrs.
Independent Studies in Math Semester 1 2491 PEIMS #03102500	½ cr.	MATH 1332: Contemporary Math • TSI: Math	3 hrs.
Extended Practicum Culinary Arts II Semester 2 6742 PEIMS #13022915	1½ cr.	RSTO 2386: Internship • Prerequisite: CHEF 1314/2331 (70+)	3 hrs.
Economics Semester 2 2536 PEIMS #03310300	½ cr.	ECON 2301: Principles of Macroeconomics • TSI: Reading	3 hrs.

DIESEL TECHNOLOGY

9TH Grade

Automotive Basics Semester 1 6884 PEIMS #13039550	½ cr.	AUMT 1301: Intro & Theory of Auto Tech	3 hrs.
PE Foundations of Personal Fitness Semester 1 6794 PEIMS # PES00052	½ cr.	KINE 1106: Jogging/Walking	1 hr.
Automotive Basics Semester 2 6894 PEIMS #13039550	½ cr.	AUMT 1407: Automotive Electrical Systems	4 hrs.
PE Foundations of Personal Fitness Semester 2 6795 PEIMS # PES00052	½ cr.	KINE 1164: Intro to Physical Fitness/Sport	1 hr.

10TH Grade

Automotive Technology I Semester 1 6895 PEIMS #13039600	½ cr.	AUMT 1310: Automotive Brake Systems • Prerequisite: AUMT 1301/1407 (70+)	3 hrs.
Diesel Technology I Semester 1 6905 PEIMS 13040150	1 cr.	DEMR 2432: Electronic Controls • Prerequisite: AUMT 1301/1407 (70+)	4 hrs.
Diesel Technology I Semester 2 6906 PEIMS #13040150	½ cr.	DEMR 2331: Advanced Brake Systems • Prerequisite: DEMR 2432/AUMT 1310 (70+) DEMT 1240: Steering & Suspension II • Prerequisite: AUMT 1301/1407 (70+)	3 hrs.
6907 PEIMS #13040150	½ cr.		2 hrs.

DIESEL TECHNOLOGY (cont.)

11th Grade

Diesel Technology II Semester 1 6908 PEIMS #13040160	1 cr.	DEMR 1406: Diesel Engine I • Prerequisite: DEMR 2432 (70+) DEMR	4 hrs.
6909 PEIMS #13040160	1 cr.	2435: Advanced Hydraulics • Prerequisite: DEMR 2432/AUMT 1310 (70+)	4 hrs.
U.S. History Semester 1 2534 PEIMS #03340100	½ cr.	HIST 1301: US History I • TSI: Reading • EOC: CANNOT BE TAKEN ONLINE	3 hrs.
U.S. History Semester 1 2534 PEIMS #03340100	½ cr.	HIST 1302: US History II • TSI: Reading • EOC: CANNOT BE TAKEN ONLINE	3 hrs.
Automotive Technology II Semester 2 6899 PEIMS #13039710	½ cr.	AUMT 1345: Auto Climate Control Systems • Prerequisite: DEMR 2432 (70+)	3 hrs.
Diesel Technology II Semester 2 6910 PEIMS #13040170	½ cr.	DEMR 2338: Advanced Power Applications I • Prerequisite: DEMR 2432 (70+)	3 hrs.
Art Appreciation Semester 2 4591 PEIMS #03500110	½ cr.	ARTS 1301: Art Appreciation • TSI: NA	3 hrs.
Technical Writing Semester 1 6790 PEIMS #03221100	½ cr.	ENGL 2311: Technical & Business Writing • TSI: NA	3 hrs.

12th Grade

Diesel Technology II Semester 1 6911 PEIMS #13040170	1 cr.	DEMR 2434: Advanced Diesel Tune-up and Troubleshooting I	4 hrs.
Independent Studies in Math Semester 1 2491 PEIMS #03102500	½ cr.	MATH 1332: Contemporary Mathematics • TSI: Math	3 hrs.
Practicum Diesel Technology Semester 2 6913 PEIMS #13040455 6912 PEIMS #13040450	1½ cr. 1 cr.	DEMT 2489: Internship DEMR 2440: Advanced Power Applications II • Prerequisite: DEMR 2432/2338 (70+)	4 hrs. 4 hrs.
Economics Semester 2 2536 PEIMS #03310300	½ cr.	ECON 2301: Macroeconomics • TSI: Reading	3 hrs.

INSTRUMENTATION & ELECTRONICS TECHNOLOGY (Energy Tech)

9th Grade

Robotics Semester 1 8699 PEIMS #13037000	½ cr.	RBTC 1343: Robotics	3 hrs.
PE Foundations of Personal Fitness Semester 1 6794 PEIMS #PES00052	½ cr.	KINE 1106: Jogging/Walking	1 hr.
PE Foundations of Personal Fitness Semester 1 6795 PEIMS #PES00052	½ cr.	KINE 1164: Intro to Physical Fitness/Sport	1 hr.
AC/DC Theory Semester 2 8598 PEIMS #13036800	1 cr.	CETT 1509: DC-AC Circuits	5 hrs.

10th Grade

AC/DC Electronics Semester 1 6743 PEIMS #13036800	1 cr.	EEIR 1309: National Electrical Code	3 hrs.
Solid State Electronics Semester 2 6744 PEIMS #13036900	1 cr.	ELPT 1355: Electronic Applications	3 hrs.

11th Grade

Extended Practicum STEM 1 Semester 1 6749 PEIMS #13017405 6746 PEIMS #13037405	½ cr. ½ cr.	PTAC 1332: Process Instrumentation I ELMT 2333: Industrial Electronics	3 hrs. 3 hrs.
Digital Electronics Semester 1 6745 PEIMS #13037600	1 cr.	IEIR 1310: Motor Controls	3 hrs.
BIM I Semester 1 8643 PEIMS #13011400	½ cr.	BCIS 1305: Business Computer Applications	3 hrs.
Extended Practicum STEM 1 Semester 2 6747 PEIMS #13037405 6751 PEIMS #13037415	1 cr. ½ cr.	ELPT 2319: Program Logic Controllers I • Prerequisite: IEIR 1310 (70+) PTAC 2336: Process Instrumentation II • Prerequisite: PTAC 1332 (70+)	3 hrs. 3 hrs.
Economics Semester 2 2536 PEIMS #03310300	½ cr.	ECON 2301: Principles of Macroeconomics • TSI: Reading	3 hrs.
Art Appreciation Semester 2 4591 PEIMS #03500110	½ cr.	ARTS 1301: Art Appreciation • TSI: NA	3 hrs.

ENERGY TECH (cont.)

12th Grade

<p>Extended Practicum STEM 2 Semester 1 6753 PEIMS #13037415</p> <p>6892 PEIMS #13037050</p> <p>6750 PEIMS #13037415</p>	<p>½ cr.</p> <p>1 ½ cr.</p> <p>1 cr.</p>	<p>INMT 1417: Industrial Automation</p> <ul style="list-style-type: none"> • Prerequisite: ELMT 2339 & ELPT 2319 (70+) <p>RBTC 1345: Robot Interfacing</p> <ul style="list-style-type: none"> • Prerequisite: RBTC 1343 (70+) <p>INTC 1356: Instrumentation Calibration</p> <ul style="list-style-type: none"> • Prerequisite: PTAC 2336 (70+) 	<p>4 hrs.</p> <p>3 hrs.</p> <p>3 hrs.</p>
<p>Technical Writing Semester 1 6790 PEIMS #03221100</p>	<p>½ cr.</p>	<p>ENGL 2311: Technical & Business Writing</p> <ul style="list-style-type: none"> • TSI: NA 	<p>3 hrs.</p>
<p>Extended Practicum STEM 2 Semester 2 6752 PEIMS #13037415</p> <p>6748 PEIMS #13037405</p>	<p>1 cr.</p> <p>1 cr.</p>	<p>CETT 1391: Spec Topics in Computer Engineering</p> <ul style="list-style-type: none"> • Prerequisite: CETT 1509 & ELPT 1355 (70+) <p>ELMT 2339: Adv. Programmable Logic Controllers</p> <ul style="list-style-type: none"> • Prerequisite: ELPT 2319 (70+) 	<p>3 hrs.</p> <p>3 hrs.</p>
<p>Precalculus "D" I Semester 2 6788 PEIMS #03101100</p>	<p>½ cr.</p>	<p>MATH 1314: College Algebra</p> <ul style="list-style-type: none"> • TSI: Math 	<p>3 hrs.</p>
<p>*Precalculus "D" II Semester 2 6789 PEIMS #03101100</p>	<p>½ cr.</p>	<p>MATH 2412: Precalculus</p> <ul style="list-style-type: none"> • Prerequisite: MATH 1314 (70+) 	<p>4 hrs.</p>

OCCUPATIONAL SAFETY & ENVIRONMENTAL TECHNOLOGY (OSET)

9th Grade

OSET I Semester 1 6754 PEIMS #N1303680	½ cr.	OSHT 1301: Intro to Safety & Health	1 hr.
PE Foundations of Personal Fitness Semester 1 6794 PEIMS #PES00052	½ cr.	KINE 1164: Intro to Fitness & Wellness	1 hr.
OSET I Semester 2 6756 PEIMS #13001100	½ cr.	OSHT 1309: Physical Hazards Control • TSI: Reading	3 hrs.
PE Foundations of Personal Fitness Semester 2 6795 PEIMS #PES00052	½ cr.	KINE 1106: Jogging and Walking	1 hr.

10th Grade

OSET II Semester 1 6757 PEIMS #13001100 6758 PEIMS #N1303681	½ cr. ½ cr.	OSHT 1320: Energy Industrial Safety OSHT 1316: Material Handling	3 hrs. 3 hrs.
OSET II Semester 2 6755 PEIMS #N1303680 6759 PEIMS #N1303681	½ cr. ½ cr.	OSHT 1313: Accident Prevention, Inspection OSHT 2401: OSHA Regulation - General Industry • Prerequisite: OSHT 1301/1309/1316/1320/1313 (70+)	3 hrs. 3 hrs.

11th Grade

OSET III Semester 1 6760 PEIMS #03020000 6761 PEIMS #03020000	½ cr. ½ cr.	EPCT 2300: DOT Regulations • Prerequisite: OSHT 1301/1309/1316/1320/1313 (70+) EPCT 1349: Environmental Regulations • Prerequisite: OSHT 1301/1309/1316/1320/1313 (70+)	3 hrs. 3 hrs.
OSET III Semester 2 6762 PEIMS #N1303682 6763 PEIMS #N1303682	½ cr. ½ cr.	OSHT 2305: Ergonomics & Human Factors in Safety • Prerequisite: OSHT 2401 (70+) OSHT 2309: Safety Program Management • Prerequisite: OSHT 2401 (70+)	3 hrs. 3 hrs.
Art Appreciation Semester 2 4591 PEIMS #03500110	½ cr.	ARTS 1301: Art Appreciation • TSI: NA	3 hrs.
Scientific Research and Design I Semester 2 8583 PEIMS #13037200	½ cr.	BIOL 1408: Biology for Non-Science Majors • TSI: Math/Reading	4 hrs.

OSET (cont.)

12th Grade

<p>Extended Practicum OSET I Semester 1 6766 PEIMS #13033005</p> <p>6765 PEIMS #N1303682</p>	<p>½ cr.</p> <p>½ cr.</p>	<p>OSHT 2337: Advanced Risk Management</p> <ul style="list-style-type: none"> Prerequisite: OSHT 2401 (70+) <p>EPCT 1344: Environmental Sampling</p> <ul style="list-style-type: none"> Prerequisite: OSHT 2401 (70+) 	<p>3 hrs.</p> <p>3 hrs.</p>
<p>Technical Writing Semester 1 6790 PEIMS #03221100</p>	<p>½ cr.</p>	<p>ENGL 2311: Technical & Business Writing</p> <ul style="list-style-type: none"> TSI: NA 	<p>3 hrs.</p>
<p>Independent Studies in Math Semester 1 2491 PEIMS #03102500</p>	<p>½ cr.</p>	<p>MATH 1332: Contemporary Mathematics</p> <ul style="list-style-type: none"> TSI: Math 	<p>3 hrs.</p>
<p>Extended Practicum OSET I Semester 2 6767 PEIMS #13033005</p> <p>6768 PEIMS #13033005</p>	<p>½ cr.</p> <p>½ cr.</p>	<p>EPCT 2331: Industrial Hygiene Applications</p> <ul style="list-style-type: none"> Prerequisite: OSHT 2401 (70+) OSHT 2488: Internship 	<p>3 hrs.</p> <p>3 hrs.</p>
<p>Economics Semester 2 2536 PEIMS #03310300</p>	<p>½ cr.</p>	<p>ECON 2301: Principles of Macroeconomics</p> <ul style="list-style-type: none"> TSI: Reading 	<p>3 hrs.</p>

WELDING TECHNOLOGY

9th Grade

Welding I Semester 1 6774 PEIMS # 13033005	1 cr.	WLDG 1421: Welding Fundamentals	4 hrs.
PE Foundations of Personal Fitness Semester 1 6794 PEIMS #PES00052	½ cr.	KINE 1164: Intro to Fitness & Wellness	1 hr.
PE Foundations of Personal Fitness Semester 2 6795 PEIMS #PES00052	½ cr.	KINE 1106: Jogging and Walking	1 hr.
Welding I Semester 2 8660 PEIMS # 13032300	1 cr.	WLDG 1417: Intro to Layout & Fabrication • Prerequisite: WLDG 1421 (70+)	4 hrs.

10th Grade

Welding II Semester 1 8661 PEIMS # 13032400	1 cr.	WLDG 1430: Intro to GMAW • Prerequisite: WLDG 1421 (70+)	4 hrs.
Welding II Semester 2 8661 PEIMS # 13032400	1 cr.	WLDG 1434: Intro to GTAW • Prerequisite: WLDG 1421 (70+)	4 hrs.
Music Appreciation Semester 2 4653 PEIMS #03155600	½ cr.	MUSI 1306: Music Appreciation • TSI: NA	3 hrs.
Art Appreciation Semester 2 4591 PEIMS #03500110	½ cr.	ARTS 1301: Art Appreciation • TSI: NA	3 hrs.

11th Grade

Extended Practicum Welding I Semester 1 6775 PEIMS # 13033005	1 cr.	WLDG 1435: Intro to Pipe Welding • Prerequisite: WLDG 1421 (70+)	4 hrs.
Supervision Semester 1 6701 PEIMS #13012100	½ cr.	BMGT 1301: Supervision	3 hrs.
Professional Communications (Speech) Semester 1 6800 PEIMS # 13009900	½ cr.	SPCH 1321: Business Professional Speech • TSI: NA	3 hrs.
Extended Practicum Welding I Semester 2 6776 PEIMS # 13033005 6777 PEIMS # 13033005	1 cr. 1 cr.	MCHN 1438: Basic Machine Shop I WLDG 2413: Intermed Welding Use Multi Process • Prerequisite: WLDG 1421/1430/1434 (70+)	4 hrs. 4 hrs.

WELDING (cont.)

12th Grade

<p>Extended Practicum Welding II Semester 1 6780 PEIMS # 13033015</p> <p>6778 PEIMS # 13033015</p>	<p>1 cr.</p> <p>1 cr.</p>	<p>WLDG 1337: Intro to Metallurgy</p> <ul style="list-style-type: none"> Prerequisite: WLDG 1421 (70+) <p>WLDG 2451: Advanced GTAW</p> <ul style="list-style-type: none"> Prerequisite: WLDG 1421/1434 (70+) 	<p>3 hrs.</p> <p>4 hrs.</p>
<p>Independent Studies in Math Semester 1 2491 PEIMS #03102500</p>	<p>½ cr.</p>	<p>MATH 1332: Contemporary Mathematics</p> <ul style="list-style-type: none"> TSI: Math 	<p>3 hrs.</p>
<p>Economics Semester 1 2536 PEIMS #03310300</p>	<p>½ cr.</p>	<p>ECON 2301: Principles of Macroeconomics</p> <ul style="list-style-type: none"> TSI: Reading 	<p>3 hrs.</p>
<p>Extended Practicum Welding II Semester 2 6779 PEIMS #13033015 6781 PEIMS #13033010</p> <p>Manufacturing Engineering Tech I 6893 PEIMS #13032900</p>	<p>1 cr.</p> <p>1½ cr.</p> <p>1 cr.</p>	<p>WLDG 2435: Advanced Layout & Fabrication</p> <p>WLDG 2388: Internship</p> <p><u>OR</u></p> <p>WLDG 2332: Welding Automation</p> <ul style="list-style-type: none"> Prerequisite: WLDG 1421/1430 (70+) 	<p>4 hrs.</p> <p>3 hrs.</p> <p>3 hrs.</p>