

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 Tyler Press, OCTECHS Dean, at 432.456.6400

BUSINESS LEADERSHIP

9th Grade

Business Leadership I Semester 1 6701 PEIMS # 13011400 ½ cr	BMGT 1301 Supervision 3 hrs
Business Leadership I Semester 2 6700 PEIMS # 13011400 ½ cr	ITSC 1301 Introduction to Computers 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 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
Business Leadership II Semester 1 6702 PEIMS # 13011510 1 cr	HRPO 1311 Human Relations 3 hrs
Business Leadership II Semester 2 6708 PEIMS # 13012200 ½ cr	ACNT 1311 Introduction to Computerized Accounting 3 hrs
6704 PEIMS # 13011510 ½ cr	BMGT 1341 Business Ethics 3 hrs

Business Leadership (cont'd)**11th Grade**

Practicum Business Leadership Semester 1 6705 PEIMS # 13012200 6706 PEIMS # 13012200	½ cr ½ cr	BMGT 2309 Leadership BMGT 2303 Problem Solving & Decision Making	3 hrs 3 hrs
Practicum Business Leadership Semester 2 6707 PEIMS # 13012200 6703 PEIMS # 13011510	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	3 hrs
Music Appreciation Semester 2 4653 PEIMS # 03152600	½ cr	MUSI 1306 Music Appreciation	3 hrs

12th Grade

US Government Semester 1 2025 PEIMS # 03330100	½ cr	GOVT 2305 Federal Government	3 hrs
Economics Semester 2 2536 PEIMS # 03310300	½ cr	ECON 2301 Principles of Macroeconomics	3 hrs
Technical Writing Semester 1 6790 PEIMS # 03221100	½ cr	ENGL 2311 Technical & Business Writing	3 hrs
Independent Studies in Math Semester 1 2491 PEIMS# 03102500	½ cr	MATH 1332 Contemporary Math	3 hrs
Extended Practicum Business Leadership Semester 1 6710 PEIMS # 13012215 6712 PEIMS # 13012215 6709 PEIMS # 13012215 6865 PEIMS # 13012215	½ cr ½ cr ½ cr ½ cr	BMGT 1344 Negotiation and Conflict Management MRKG 1311 Principles of Marketing BMGT 1327 Principles of Management BMGT 1311 Change Management	3 hrs 3 hrs 3 hrs 3 hrs
Extended Practicum Business Leadership Semester 2 6711 PEIMS #13012215	1 ½ cr	BMGT 2388 Internship Business Management	3 hrs

INSTRUMENTATION & ELECTRONICS TECHNOLOGY (Energy Tech)**9th Grade**

PE Foundations of Personal Fitness Semester 1 6794 PEIMS # PES00052	½ cr	KINE 1106 Jogging/Walking	1 hr
PE Foundations of Personal Fitness Semester 2 6795 PEIMS # PES00052	½ cr	KINE 1164 Intro to Physical Fitness/Sport	1 hr
AC/DC Theory Semester 1 8598 PEIMS # 13036800	1 cr	CETT 1409 DC-AC Circuits	4 hrs
DC Circuits Semester 2 6743 PEIMS # N1303765	1 cr	EEIR 1409 National Electrical Code	4 hrs

10th Grade

BIM I Semester 1 8642 PEIMS # 13011400	½ cr	BCIS 1305 Business Computer Applications	3 hrs
Professional Communications (Speech) Semester 2 6800 PEIMS # 13009900	½ cr	SPCH 1321 Business & Professional Speech	3 hrs
Solid State Electronics Semester 1 6744 PEIMS # 13036900	1 cr	ELPT 1455 Electronic Applications	4 hrs
Digital Electronics Semester 2 6745 PEIMS # 13037600	1 cr	IEIR 1410 Motor Controls	4 hrs

11th Grade

Extended Practicum STEM 1 Semester 1 6767 PEIMS # 13037405	1 cr	ELPT 2419 Program Logic Controllers I	4 hrs
6749 PEIMS # 13017405	½ cr	PTAC 1432 Process Instrumentation I	4 hrs
Extended Practicum STEM 1 Semester 2 6748 PEIMS # 13037405	1 cr	ELMT 2339 Advanced Programmable Logic Controllers	4 hrs
6746 PEIMS # 13037405	½ cr	ELMT 2433 Industrial Electronics	4 hrs

ENERGY TECH (cont'd)**12th Grade**

Independent Studies in Math Semester 1 2491 PEIMS# 03102500 ½ cr	MATH 1332 Contemporary Math 3 hrs
Economics Semester 2 2536 PEIMS # 03310300 ½ cr	ECON 2301 Principles of Macroeconomics 3 hrs
Art Appreciation Semester 1 4591 PEIMS # 03500110 ½ cr	ARTS 1301 Art Appreciation 3 hrs
Music Appreciation Semester 2 4653 PEIMS # 03152600 ½ cr	MUSI 1306 Music Appreciation 3 hrs
Extended Practicum STEM 2 Semester 1 6751 PEIMS # 13037415 6750 PEIMS # 13037415 ½ cr 1 cr	PTAC 2436 Process Instrumentation II 4 hrs INTC 1356 Instrumentation Calibration 3 hrs
Extended Practicum STEM 2 Semester 2 6753 PEIMS # 13037415 6752 PEIMS # 13037415 ½ cr 1 cr	INMT 1417 Industrial Automation 4 hrs CETT 1391 Special Topics in Computer Engineering 3 hrs

PRECISION MANUFACTURING**9th Grade**

PE Foundations of Personal Fitness Semester 1 6794 PEIMS # PES00052 ½ cr	KINE 1106 Jogging/Walking 1 hr
PE Foundations of Personal Fitness Semester 2 6795 PEIMS # PES00052 ½ cr	KINE 1164 Intro to Physical Fitness/Sport 1 hr
Metal Fabrication and Machining I Semester 1 6776 PEIMS # 13032700 1 cr	MCHN 1438 Basic Machine Shop I 4 hrs
Metal Fabrication and Machining I Semester 2 6871 PEIMS # 13032700 1 cr	MCHN 1413 Basic Milling Operations 4 hrs

PRECISION MANUFACTURING (cont'd)**10th Grade**

BIM I Semester 1 8642 PEIMS # 13011400 ½ cr	BCIS 1305 Business Computer Applications 3 hrs
Professional Communications (Speech) Semester 2 6800 PEIMS # 13009900 ½ cr	SPCH 1321 Business & Professional Speech 3 hrs
Metal Fabrication and Machining 2 Semester 1 6770 PEIMS # 13032800 1 cr	MCHN 1441 Basic Machine Shop II 4 hrs
Metal Fabrication and Machining 2 Semester 2 6771 PEIMS # 13032800 1 cr	MCHN 2437 Advanced Milling Operations 4 hrs

11th Grade

Art Appreciation Semester 1 4591 PEIMS # 03500110 ½ cr	ARTS 1301 Art Appreciation 3 hrs
Music Appreciation Semester 2 4653 PEIMS # 03152600 ½ cr	MUSI 1306 Music Appreciation 3 hrs
Extended Practicum Machining 1 Semester 1 6756 PEIMS # 13001100 ½ cr 6772 PEIMS # 13033005 1 cr	OSHT 1309 Physical Hazard Controls 4 hrs MCHN 2403 Fund of CNC Machine Controls 4 hrs
Extended Practicum Machining 1 Semester 2 6773 PEIMS # 13033005 1 cr 6774 PEIMS # 13033005 ½ cr	MCHN 2434 Operations of CNC Mach Center 4 hrs WLDG 1421 Welding Fundamentals 4 hrs

12th Grade

Art Appreciation Semester 1 4591 PEIMS # 03500110 ½ cr	ARTS 1301 Art Appreciation 3 hrs
Music Appreciation Semester 2 4563 PEIMS # 03155600 ½ cr	MUSI 1306 Music Appreciation 3 hrs

PRECISION MANUFACTURING (cont'd)**12th grade**

Economics Semester 2 2536 PEIMS # 03310300 ½ cr	ECON 2301 Principles of Macroeconomics 3 hrs
Independent Studies in Math Semester 1 2491 PEIMS# 03102500 ½ cr	MATH 1332 Contemporary Math 3 hrs
Technical Writing Semester 2 6790 PEIMS # 03221100 ½ cr	ENGL 2311 Technical & Business Writing 3 hrs
Extended Practicum Machining 2 Semester 1 6870 PEIMS # 13033015 1 ½ cr	MCHN 2433 Advanced Lathe Operations 4 hrs
Extended Practicum Machining 2 Semester 2 6869 PEIMS # 13033015 1 ½ cr	MCHN 2386 Internship 4 hrs

OCCUPATIONAL SAFETY & ENVIRONMENTAL TECHNOLOGY (OSET)**9th Grade**

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
Energy and Natural Resources Semester 2 6756 PEIMS #13001100 ½ cr	OSHT 1309 Physical Hazards Control 3 hrs
OSET I Semester 1 6754 PEIMS # N1303680 ½ cr	OSHT Introduction to Safety & Health 3 hrs

10th Grade

OSET II Semester 2 6759 PEIMS # N1303681 ½ cr 6758 PEIMS # N1303681 ½ cr	OSHT 2401 OSHA Regs-General Industry 3 hrs OSHT 1316 Material Handling 3 hrs
Environmental Science Semester 1 6755 PEIMS # N1303680 ½ cr 6757 PEIMS # 13001100 ½ cr	OSHT 1313 Accident Prevention, Inspection, etc. 3 hrs OSHT 1320 Energy Industrial Safety 3 hrs

11th Grade

Professional Communication (Speech) Semester 2 6800 PEIMS # 13009900 ½ cr	SPCH 1321 Business & Professional Speech 3 hrs
Art Appreciation Semester 2 4591 PEIMS # 03500110 ½ cr	ARTS 1301 Art Appreciation 3 hrs
Music Appreciation Semester 2 4653 PEIMS # 03152600 ½ cr	MUSI 1306 Music Appreciation 3 hrs
OSET III Semester 2 6763 PEIMS # N1303682 6762 PEIMS # N1303682 8583 PEIMS # N1303682 ½ cr ½ cr ½ cr	OSHT 2309 Safety Program Management OSHT 2305 Ergonomics and Human Factors in Safety BIOL 1408 Biology for Non-Science Majors 3 hrs 3 hrs 4 hrs
OSET III Semester 1 6760 PEIMS # 03020000 6761 PEIMS # 03020000 ½ cr ½ cr	EPCT 2300 Dept of Transportation (DOT) Regs EPCT 1349 Environmental Regulations 3 hrs 3 hrs

12th Grade

Economics Semester 2 2536 PEIMS # 3310300 ½ cr	ECON 2301 Principles of Macroeconomics 3 hrs
Technical Writing Semester 1 6790 PEIMS # 03221100 ½ cr	ENGL 2311 Technical & Business Writing 3 hrs
Independent Studies in Math Semester 1 2491 PEIMS# 03102500 ½ cr	MATH 1332 Contemporary Math 3 hrs
Extended Practicum OSET 1 Semester 1 6765 PEIMS # N1303682 6766 PEIMS # 13033005 ½ cr ½ cr	EPCT 1344 Environmental Sampling OSHT 2337 Advanced Risk Management 3 hrs 3 hrs
Extended Practicum OSET 1 Semester 2 6767 PEIMS # 13033005 6768 PEIMS # 13033005 ½ cr 1½ cr	EPCT 2331 Industrial Hygiene Applications OSHT 2488 Internship 3 hrs 4 hrs

WELDING TECHNOLOGY**9th Grade**

PE Foundations of Personal Fitness Semester 1 6794 PEIMS # PES00052	½ cr	KINE 1106 Jogging/Walking	1 hr
PE Foundations of Personal Fitness Semester 2 6795 PEIMS # PES00052	½ cr	KINE 1164 Intro to Physical Fitness/Sport	1 hr
Welding 1 Semester 1 8660 PEIMS # 13032300	1 cr	WLDG 1421 Introduction to Welding	4 hrs
Welding 1 Semester 2 8660 PEIMS # 13032300	1 cr	WLDG 1417 Intro to Layout Fabrication	4 hrs

10th Grade

Art Appreciation Semester 1 4591 PEIMS # 03500110	½ cr	ARTS 1301 Art Appreciation	3 hrs
Music Appreciation Semester 2 4653 PEIMS # 03152600	½ cr	MUSI 1306 Music Appreciation	3 hrs
Welding 2 Semester 1 8661 PEIMS # 13032400	1 cr	WLDG 1430 Intro to Gas Metal Arc Welding	4 hrs
Welding 2 Semester 2 8661 PEIMS # 13032400	1 cr	WLDG 1434 Intro to Gas Tungs Arc (GTAW)	4 hrs

11th Grade

Student Leadership Semester 1 6705 PEIMS # 13012200	½ cr	BMGT 2309 Leadership	3
Professional Communications (Speech) Semester 1 6800 PEIMS # 13009900	½ cr	SPCH 1321 Business & Professional Speech	3 hrs
Extended Practicum Welding I Semester 1 6775 PEIMS # 13033005	1 cr	WLDG 1435 Intro to Pipe Welding	4 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 Intermediate Welding using Multiple Processes	4 hrs 4 hrs

WELDING (cont'd)**12th Grade**

Economics Semester 2 2536 PEIMS # 3310300 ½ cr	ECON 2301 Principles of Macroeconomics 3 hrs
Independent Studies in Math Semester 1 2491 PEIMS# 03102500 ½ cr	MATH 1332 Contemporary Math 3 hrs
Extended Practicum Welding II Semester 1 6778 PEIMS # 13033015 6779 PEIMS # 13033015 ½ cr ½ cr	WLDG 2451 Advanced Gas Tungsten Arc Welding WLDG 2435 Adv. Layout & Fabrication 3 hrs 4 hrs
Practicum Welding II Semester 2 6780 PEIMS # 13033015 6781 PEIMS # 13033015 ½ cr 1½ cr	WLDG 1337 Intro to Metallurgy WLDG 2388 Welding Internship 3 hrs 3 hrs

CRIMINAL JUSTICE**9th Grade**

PE Foundations of Personal Fitness Semester 1 6794 PEIMS # PES000052 ½ cr	KINE 1106 Jogging/Walking 1 hr
PE Foundations of Personal Fitness Semester 2 6795 PEIMS # PES00052 ½ cr	KINE 1164 Intro to Physical Fitness/Sport 1 hr
Criminal Justice I Semester 1 6713 PEIMS #13029300 1 cr	CRIJ 1301 Introduction to Criminal Justice 3 hrs
Court Systems and Practices Semester 2 6714 PEIMS # 13029600 1 cr	CRIJ 1306 Court Systems and Practices 3 hrs

10th Grade

Criminal Justice II Semester 1 6715 PEIMS # 13029400 6716 PEIMS # 13029400 ½ cr ½ cr	CRIJ 1307 Crime in America CJCR 1304 Probation and Parole 3 hrs 3 hrs
Criminal Investigations Semester 2 6717 PEIMS # 13029550 6718 PEIMS # 13029550 ½ cr ½ cr	CRIJ 1313 Juvenile Justice System CJSA 1348 Ethics in Criminal Justice 3 hrs 3 hrs

CRIMINAL JUSTICE (cont'd)**11th Grade**

Professional Communications (Speech) Semester 1 6800 PEIMS # 13009900	½ cr	SPCH 1321 Business & Professional Speech	3 hrs
Extended Practicum Criminal Justice 1 Semester 1 6719 PEIMS # 13030105 6720 PEIMS # 13030105	½ cr ½ cr	CRIJ 1310 Fundamentals of Criminal Law CRIJ 2313 Correctional Systems & Practices	3 hrs 3 hrs
Extended Practicum Criminal Justice 1 Semester 2 6721 PEIMS # 13030105 6722 PEIMS # 13030105 6723 PEIMS # 13030105	½ cr ½ cr ½ cr	CJLE 1327 Interviewing and Report Writing for Criminal Justice CRIJ 2314 Criminal Investigation CJLE 1346 Human Trafficking	3 hrs 3 hrs 3 hrs
English 3 D Semester 1 6798 PEIMS # 03220300	½ cr	ENGL 1301 Composition I	3 hrs
Art Appreciation Semester 1 4591 PEIMS # 03500110	½ cr	ARTS 1301 Art Appreciation	3 hrs
Music Appreciation Semester 2 4653 PEIMS # 03155600	½ cr	MUSI 1306 Music Appreciation	3 hrs

12th Grade

Technical Writing Semester 2 6790 PEIMS # 03221100	½ cr	ENGL 2311 Technical & Business Writing	3 hrs
Independent Studies in Math Semester 1 2491 PEIMS# 03102500	½ cr	MATH 1332 Contemporary Math	3 hrs
Economics Semester 2 2536 PEIMS # 03310300	½ cr	ECON 2301 Principles of Macroeconomics	3 hrs
U.S. Government Semester 1 2025 PEIMS # 03330100	½ cr	GOVT 2305 Federal Government	3 hrs
Extended Practicum Criminal Justice Semester 1 6724 PEIMS # 13030115 6725 PEIMS # 13030115 6726 PEIMS # 13030115	½ cr ½ cr ½ cr	HMSY 1337 Introduction to Homeland Security CRIJ 2328 Police Systems and Practices CJSA 1330 Cybercrimes	3.hrs 3 hrs 3 hrs
Extended Practicum Criminal Justice Semester 2 6727 PEIMS # 13030115	1 ½ cr	CJLE 2386 Internship – Criminal Justice	3 hrs

CULINARY ARTS**9th Grade**

PE Foundations of Personal Fitness Semester 1 6794 PEIMS # PES000052	½ cr	KINE 1106 Jogging/Walking	1 hr
PE Foundations of Personal Fitness Semester 2 6795 PEIMS # PES000052	½ cr	KINE 1164 Intro to Physical Fitness/Sport	1 hr
Culinary Arts 1 Semester 1 6728 PEIMS# 13022600 6729 PEIMS #13022600	½ cr ½ cr	CHEF 1305 Sanitation and Safety CHEF 1301 Basic Food Prep	2 hrs 3 hrs
Culinary Arts 1 Semester 2 6730 PEIMS # 13022600 6731 PEIMS # 13022600	½ cr ½ cr	PSTR 1301 Fundamentals of Baking IFWA 1318 Nutrition for Food Service Professionals	3 hrs 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 RSTO 1321 Menu Management	3 hrs 3 hrs
Advanced Culinary Arts Semester 2 6739 PEIMS# 13022905 6734 PEIMS #13022650	½ cr ½ cr	CHEF 2331 Advanced Food Prep RSTO 1325 Purchasing for Hospitality	3 hrs 3 h
Art Appreciation Semester 1 4591 PEIMS # 03500110	½ cr	ARTS 1301 Art Appreciation	3 hrs
Music Appreciation Semester 1 4653 PEIMS # 03155600	½ cr	MUSI 1306 Music Appreciation	3 hrs

CULINARY ARTS (cont'd)**11th Grade**

English 3 Semester 2 6798 PEIMS # 03220300	½ cr	ENGL 1301 Composition I	3 hrs
Professional Communications (Speech) Semester 1 6800 PEIMS # 13009900	½ cr	SPCH 1321 Business & Professional Speech	3 hrs
Extended Practicum Culinary Arts 1 Semester 1 6736 PEIMS # 13022905 6737 PEIMS # 13022905	½ cr ½ cr	CHEF 1340 Meat Preparation and Cooking RSTO 1313 Hospitality Supervision	3 hrs 3 hrs
Extended Practicum Culinary Arts 1 Semester 2 6741 PEIMS # 13022705 6732 PEIMS # 13022650	1 cr ½ cr	RSTO 1304 Dining Room Service CHEF 1310 Garde Manger	3 hrs 3 hrs

12th Grade

Economics Semester 2 2536 PEIMS # 03310300	½ cr	ECON 2301 Principles of Macroeconomics	3 hrs
Independent Studies in Math Semester 1 2491 PEIMS# 03102500	½ cr	MATH 1332 Contemporary Math	3 hrs
Technical Writing Semester 1 6790 PEIMS # 03221100	½ cr	ENGL 2311 Technical & Business Writing	3 hrs
Extended Practicum Culinary Arts 2 Semester 1 6740 PEIMS # 13022915 6738 PEIMS # 13022905	½ cr 1 cr	CHEF 1314 A La Carte Cooking PSTR 2331 Advanced Pastry Shop	2 hrs 3 hrs
Extended Practicum Culinary Arts 2 Semester 2 6742 PEIMS # 13022715	1½ cr	RSTO 2386 Internship	3 hrs