

Odessa Career & Technical Early College High School (OCTECHS) Dual Credit Matrix

**This matrix and its courses are applicable to ONLY students enrolled in OCTECHS. For information regarding admission into OCTECHS, contact Greg Nelson, OCTECHS Principal, at 432.456.6400

BUSINESS LEADERSHIP

9th Grade

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|---|------|---|-------|
| Business Leadership I Semester 1 **** PEIMS # 13011400 | ½ cr | BMGT 2309 Leadership | 3 hrs |
| Business Leadership I Semester 2 **** PEIMS # 13011400 | ½ cr | ITSC 1301 Introduction to Computers | 3 hrs |
| PE Foundations of Personal Fitness Semester 1 4809 PEIMS # PES00052 | ½ cr | KINE 1106 Jogging/Walking | 1 hr |
| PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052 | ½ cr | KINE 1164 Intro to Physical Fitness/Sport | 1 hr |

10th Grade

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|---|------|---|-------|
| Professional Communications (Speech) Semester 1 8482 PEIMS # 13009900 | ½ cr | BMGT 1305 Communications in Management | 3 hrs |
| Business Leadership II Semester 1 **** PEIMS #13011410 | 1 cr | HRPO 1311 Human Relations | 3 hrs |
| Business Leadership II Semester 2 **** PEIMS #13011410 | 1 cr | ACNT 1311 Introduction to Computerized Accounting | 3 hrs |
| | | BMGT 1341 Business Ethics | 3 hrs |

11th Grade

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|---|------|---|-------|
| Practicum Business Leadership Semester 1 **** PEIMS #13012200 | 1 cr | BMGT 1301 Supervision | 3 hrs |
| | | BMGT 2303 Problem Solving & Decision Making | 3 hrs |
| Practicum Business Leadership Semester 2 **** PEIMS #13012200 | 1 cr | BMGT 2310 Financial Management | 3 hrs |
| | | HRPO 2301 Human Resource Management | 3 hrs |
| Art Appreciation Semester 1 | | ARTS 1301 Art Appreciation | 3 hrs |

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|---|---|------------------------------|-------|
| 4591 PEIMS # 03500110 cr | ½ | | |
| Music Appreciation Semester 2 4653 PEIMS # 03152900 cr | ½ | MUSI 1306 Music Appreciation | 3 hrs |

12th Grade

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|---|--------|---|-------|
| US Government 2025 PEIMS # 03330100 | ½ cr | GOVT 2305 Federal Government | 3 hrs |
| Economics 2536 PEIMS # 03310300 | ½ cr | ECON 2301 Principles of Macroeconomics | 3 hrs |
| Technical Writing Semester 2 2367 PEIMS # 03221100 | ½ cr | ENGL 2311 Technical & Business Writing | 3 hrs |
| Statistics and Business Decision Making Semester 2 8511 PEIMS #13016900 | ½ cr | MATH 1332 Contemporary Math | |
| Extended Practicum Business Leadership Semester 1 8469 PEIMS #13012205 | 1 ½ cr | BMGT 1344 Negotiation and Conflict Management | 3 hrs |
| | | MRKG 1311 Principles of Marketing | 3 hrs |
| | | BMGT 1327 Principles of Management | 3 hrs |
| Extended Practicum Business Leadership Semester 2 8469 PEIMS #13012205 | 1 ½ cr | BMGT 2311 Change Management | 3 hrs |
| | | BMGT 2388 Internship Business Management | 3 hrs |

Energy Tech

9th Grade

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|---|------|---|-------|
| PE Foundations of Personal Fitness Semester 1 4809 PEIMS # PES00052 | ½ cr | KINE 1106 Jogging/Walking | 1 hr |
| PE Foundations of Personal Fitness Semester 2 4809 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 8574 PEIMS # N1303765 | 1 cr | EEIR 1409 National Electrical Code | 4 hrs |

10th Grade

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|---|--|
| BIM I Semester 1 8642 PEIMS # 13011400 ½ cr | BCIS 1305 Business Computer Applications 3 hrs |
| Professional Communications (Speech) Semester 2 8482 PEIMS # 13009900 ½ cr | SPCH 1321 Business & Professional Speech 3 hrs |
| Solid State Electronics Semester 1 8596 PEIMS # 13036900 1 cr | ELPT 1455 Electrical Applications 4 hrs |
| Digital Electronics Semester 2 8593 PEIMS # 13037600 1 cr | IEIR 1410 Motor Controls 4 hrs |

11th Grade

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| Extended Practicum STEM 1 Semester 1 8567 PEIMS # 13037405 1 ½ cr | ELMT 2433 Industrial Electronics 4 hrs ELPT 2419 Program Logic Controllers I 4 hrs |
| Extended Practicum STEM 1 Semester 2 8567 PEIMS # 13037405 1 ½ cr | ELMT 2339 Advanced Programmable Logic 4 hrs PTAC 1432 Process Instrumentation 4 hrs |

12th Grade

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|---|---|
| Statistics and Business Decision Making Semester 2 8511 PEIMS #13016900 ½ cr | MATH 1332 Contemporary Math 3 hrs |
| Economics 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 # 03152900 ½ cr | MUSI 1306 Music Appreciation 3 hrs |
| Extended Practicum STEM 2 Semester 1 8557 PEIMS # 13037415 1 ½ cr | PTAC 2436 Process Instrumentation II 4 hrs INTC 1356 Instrumentation Calibration 3 hrs |
| Extended Practicum STEM 2 Semester 2 8557 PEIMS # 13037415 1 ½ cr | INMT 1417 Industrial Automation 4 hrs CETT 1391 Circuit Analysis 3 hrs |

PRECISION MANUFACTURING

9th Grade

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|---|---|
| PE Foundations of Personal Fitness Semester 1 4809 PEIMS # PES00052 ½ cr | KINE 1106 Jogging/Walking 1 hr |
| PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052 ½ cr | KINE 1164 Intro to Physical Fitness/Sport 1 hr |
| Metal Fabrication and Machining I Semester 1 8566 PEIMS # 13032700 1 cr | MCHN 1438 Basic Machine Shop I 4 hrs |
| Metal Fabrication and Machining I Semester 2 8566 PEIMS # 13032700 1 cr | MCHN 1413 Basic Milling Operations 4 hrs |

10th Grade

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|---|---|
| BIM I Semester 1 8642 PEIMS # 13011400 ½ cr | BCIS 1305 Business Computer Applications 3 hrs |
| Professional Communications (Speech) Semester 2 8482 PEIMS # 13009900 ½ cr | SPCH 1321 Business & Professional Speech 3 hrs |
| Metal Fabrication and Machining 2 Semester 1 8565 PEIMS # 13032800 1 cr | MCHN 1441 Basic Machine Shop II 4 hrs |
| Metal Fabrication and Machining 2 Semester 2 8565 PEIMS # 13032800 1 cr | MCHN 2437 Advanced Milling Operations 4 hrs |

11th Grade

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|---|---|
| Art Appreciation Semester 1 4591 PEIMS # 03500110 ½ cr | ARTS 1301 Art Appreciation 3 hrs |
| Music Appreciation Semester 2 4653 PEIMS # 03152900 ½ cr | MUSI 1306 Music Appreciation 3 hrs |
| Extended Practicum Machining 1 Semester 1 8573 PEIMS # 13033005 1 ½ cr | OSHT 2401 OSHA Regulations-Gen Industry 4 hrs MCHN 2403 Fund of CNC Machine Controls 4 hrs |
| Extended Practicum Machining 1 Semester 2 8573 PEIMS # 13033005 1 ½ cr | MCHN 2434 Operations of CNC Mach Center 4 hrs WLDG 1421 Introduction to Welding 4 hrs |

12th Grade

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|---|---|
| Economics Semester 1 2536 PEIMS # 03310300 ½ cr | ECON 2301 Principles of Macroeconomics 3 hrs |
| Statistics and Business Decision Making Semester 2 8511 PEIMS #13016900 ½ cr | MATH 1332 Contemporary Math 3 hrs |
| Technical Writing Semester 2 2367 PEIMS # 03221100 ½ cr | ENGL 2311 Technical & Business Writing 3 hrs |
| Extended Practicum Machining 2 Semester 1 8568 PEIMS # 13033015 1 ½ cr | MCHN 2433 Advanced Lathe Operations 4 hrs |
| Extended Practicum Machining 2 Semester 2 8568 PEIMS # 13033015 1 ½ cr | MCHN 2386 Internship 4 hrs |

OCCUPATIONAL SAFETY & ENVIRONMENTAL TECHNOLOGY (OSET)

9th Grade

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|---|--|
| Professional Communications (Speech) Semester 2 8482 PEIMS # 13009900 ½ cr | SPCH 1321 Business & Professional Speech 3 hrs |
| OSET I Semester 1 8810 PEIMS # N1303680 1 cr | OSHT 1301 Introduction to Safety and Health 3 hrs OSHT 1313 Accident Prevention, Inspection and Investigation 3 hrs |
| Energy and Natural Resources Semester 2 8407 PEIMS #13001100 1 cr | OSHT 1320 Energy Industrial Safety 3 hrs OSHT 1309 Physical Hazards 3 hrs |

10th Grade

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|---|---|
| PE Foundations of Personal Fitness Semester 1 4809 PEIMS # PES00052 ½ cr | KINE 1106 Jogging/Walking 1 hr |
| PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052 ½ cr | KINE 1106 Jogging and Walking 1 hr |
| OSET II Semester 1 8810 PEIMS # N1303681 1 cr | OSHT 2401 OSHA Regs-General Industry 3 hrs OSHT 1316 Material Handling 3 hrs |
| Environmental Science Semester 2 | EPCT 2300 Dept of Transportation (DOT) Regs 3 hrs |

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| 2667 PEIMS # 03020000 | 1 cr | OSHT 1349 Environmental Regulations | 3 hrs |
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11th Grade

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|---|------|---|-------------------------|
| Art Appreciation Semester 1 4591 PEIMS # 03500110 | ½ cr | ARTS 1301 Art Appreciation | 3 hrs |
| Music Appreciation Semester 2 4653 PEIMS # 03152900 | ½ cr | MUSI 1306 Music Appreciation | 3 hrs |
| OSET III Semester 1 8576 PEIMS # N1303682 | 1 cr | OSHT 2309 Safety Program Management OSHT 2305 Ergonomics and Human Factors in Safety | 3 hrs 3 hrs |
| OSET III Semester 2 8576 PEIMS # N1303682 | 1 cr | BIOL 1408 Biology Or Chem 1311/1111 General Chemistry EPCT 1344 Environmental Sampling | 4 hrs 4 hrs 3 hrs |

12th Grade

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|---|--------|---|----------------|
| Economics 2536 PEIMS # 3310300 | ½ cr | ECON 2301 Principles of Macroeconomics | 3 hrs |
| Technical Writing Semester 2 2367 PEIMS # 03221100 | ½ cr | ENGL 2311 Technical & Business Writing | 3 hrs |
| Statistics and Business Decision Making Semester 2 8511 PEIMS #13016900 | ½ cr | MATH 1332 Contemporary Math | 3 hrs |
| Extended Practicum OSET 1 Semester 1 8544 PEIMS # 13033005 | 1.5 cr | EPCT 2331 Industrial Hygiene Applications OSHT 2337 Advanced Risk Management | 3 hrs 3 hrs |
| Extended Practicum OSET 1 Semester 2 8544 PEIMS # 13033005 | 1.5 cr | OSHT 2488 Internship | 4 hrs |

WELDING

9th Grade

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|------------------------------------|---------------------------|------|
| PE Foundations of Personal Fitness | KINE 1106 Jogging/Walking | 1 hr |
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|---|------|---|-------|
| Semester 1 4809 PEIMS # PES00052 cr | ½ | | |
| PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052 | ½ cr | KINE 1164 Intro to Physical Fitness/Sport | 1 hr |
| Welding 1 Semester 1 8660 PEIMS # 13032300 cr | 1 | WLDG 1421 Introduction to Welding | 4 hrs |
| Welding 1 Semester 2 8660 PEIMS # 13032300 cr | 1 | WLDG 1417 Intro to Layout Fabrication | 4 hrs |

10th Grade

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|---|------|--|-------|
| Art Appreciation Semester 1 4591 PEIMS # 03500110 | ½ cr | ARTS 1301 Art Appreciation | 3 hrs |
| Music Appreciation Semester 2 4653 PEIMS # 03152900 | 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

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|---|--------|---|----------------|
| Student Leadership Semester 1 2936 PEIMS # N1290010 | ½ cr | BMGT 2309 Leadership | 3 hrs |
| Professional Communications (Speech) Semester 1 8482 PEIMS # 13009900 | ½ cr | SPCH 1321 Business & Professional Speech | 3 hrs |
| Extended Practicum Welding I Semester 1 8570 PEIMS # 13033005 | 1.5 cr | WLDG 1435 Intro to Pipe Welding | 4 hrs |
| Extended Practicum Welding I Semester 2 8570 PEIMS # 13033005 | 1.5 cr | MCHN 1438 Basic Machine Shop I WLDG 2413 Intermediate Welding using Multiple Processes | 4 hrs 4 hrs |

12th Grade

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|---|---|
| Economics 2536 PEIMS # 3310300 ½ cr | ECON 2301 Principles of Macroeconomics 3 hrs |
| Statistics and Business Decision Making Semester 2 8511 PEIMS #13016900 ½ cr | MATH 1332 Contemporary Math 3 hrs |
| Extended Practicum Welding II Semester 1 8531 PEIMS # 13033015 1.5 cr | WLDG 2451 Advanced Gas Tungsten Arc Welding 3 hrs WLDG 2435 Adv. Layout & Fabrication 4 hrs |
| Practicum Welding II Semester 2 8531 PEIMS # 13033015 1.5 cr | WLDG 1337 Intro to Welding Metal 3 hrs WLDG 2388 Welding Internship 3 hrs |

CRIMINAL JUSTICE

9th Grade

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|--|---|
| PE Foundations of Personal Fitness Semester 1 4809 PEIMS # PES000052 ½ cr | KINE 1106 Jogging/Walking 1 hr |
| PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES000052 ½ cr | KINE 1164 Intro to Physical Fitness/Sport 1 hr |
| Criminal Justice I Semester 1 8550 PEIMS #13029300 1 cr | CRIJ 1301 Introduction to Criminal Justice 3 hrs |
| Court Systems and Practices Semester 2 8449 PEIMS # 13029600 1 cr | CRIJ 1306 Court Systems and Practices 3 hrs |

10th Grade

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| Criminal Justice II Semester 1 8551 PEIMS # 13029400 1 cr | CRIJ 1307 Crime in America 3 hrs CJCR 1304 Probation and Parole 3 hrs |
| Criminal Investigations Semester 2 8474 PEIMS # 13029550 1 cr | CRIJ 1313 Juvenile Justice System 3 hrs CJSA 1348 Ethics in Criminal Justice 3 hrs |

11th Grade

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|---|---|
| Professional Communications (Speech) Semester 1 8482 PEIMS # 13009900 ½ cr | SPCH 1321 Business & Professional Speech 3 hrs |
| Extended Practicum Criminal Justice 1 | CRIJ 1310 Fundamentals of Criminal Law 3 hrs |

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| Semester 1 8553 PEIMS # 13030105 1.5 cr | CRIJ 2313 Correctional Systems & Practices 3 hrs |
| Extended Practicum Criminal Justice 1 Semester 2 8553 PEIMS # 13030105 1.5 cr | CJLE 1327 Interviewing and Report Writing for Criminal Justice 3 hrs CRIJ 2314 Criminal Investigation 3 hrs CJLE 1346 Human Trafficking 3 hrs |
| English 3 D Semester 1 2327 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

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|---|--|
| Technical Writing Semester 2 2367 PEIMS # 03221100 ½ cr | ENGL 2311 Technical & Business Writing 3 hrs |
| Statistics and Business Decision Making Semester 2 8511 PEIMS #13016900 ½ cr | MATH 1332 Contemporary Math 3 hrs |
| Economics 2536 PEIMS # 03310300 ½ cr | ECON 2301 Principles of Macroeconomics 3 hrs |
| U.S. Government D 2025 PEIMS # 03330100 ½ cr | GOVT 2305 Federal Government 3 hrs |
| Extended Practicum Criminal Justi cr Semester 1 8558 PEIMS # 13030115 1.5 | HMSY 1337 Introduction to Homeland Security 3.hrs CRIJ 2328 Police Systems and Practices 3 hrs CJSA 1330 Cybercrimes 3 hrs |
| Extended Practicum Criminal Justice cr Semester 2 8558 PEIMS # 13030115 1.5 | CJLE 2386 Internship – Criminal Justice 3 hrs |

CULINARY ARTS

9th Grade

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| PE Foundations of Personal Fitness Semester 1 4809 PEIMS # PES000052 ½ cr | KINE 1106 Jogging/Walking 1 hr |
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| PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052 | ½ cr | KINE 1164 Intro to Physical Fitness/Sport | 1 hr |
| Culinary Arts 1 Semester 1 8537 PEIMS# 13022600 | 1 cr | CHEF 1305 Sanitation and Safety hrs CHEF 1301 Basic Food Prep hrs | 2 3 |
| Culinary Arts 1 Semester 2 8537 PEIMS# 13022600 | 1 cr | RSTO 1325 Purchasing for Hospitality Operations hrs PSTR 1301 Fundamentals of Baking hrs | 3 3 |

10th Grade

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|--|------|---|----------------|
| Advanced Culinary Arts Semester 1 8512 PEIMS# 13022650 | 1 cr | IFWA 1318 Nutrition for Food Service Professionals 3 hrs CHEF 2301 Intermediate Food Prep | |
| Advanced Culinary Arts Semester 2 8538 PEIMS# 13022700 cr | 1 | CHEF 2331 Advanced Food Prep RSTO 1321 Menu Management | 3 hrs 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 |

11th Grade

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|---|--------|--|----------------|
| English 3 Semester 2 2327 PEIMS # 03220300 | ½ cr | ENGL 1301 Composition I | 3 hrs |
| Professional Communications (Speech) Semester 1 8481 PEIMS # 13009900 cr | ½ | SPCH 1321 Business & Professional Speech | 3 hrs |
| Extended Practicum Culinary Arts 1 Semester 1 8554 PEIMS # 13022705 | 1.5 cr | CHEF 1340 Meat Preparation and Cooking CHEF 1310 Garde Manger | 3 hrs 3 hrs |
| Extended Practicum Culinary Arts 1 Semester 2 8554 PEIMS # 13022705 | 1.5 cr | RSTO 1304 Dining Room Service PSTR 2331 Pastry Shop | 3 hrs |

12th Grade

| | | |
|---|---|----------------|
| Economics 2536 PEIMS # 03310300 ½ cr | ECON 2301 Principles of Macroeconomics | 3 hrs |
| Statistics and Business Decision Making Semester 2 8511 PEIMS #13016900 ½ cr | MATH 1332 Contemporary Math | 3 hrs |
| Technical Writing Semester 2 2367 PEIMS # 03221100 ½ cr | ENGL 2311 Technical & Business Writing | 3 hrs |
| Extended Practicum Culinary Arts 2 Semester 1 8549 PEIMS # 13022715 1.5 cr | CHEF 1314 A La Carte Cooking RSTO 1313 Hospitality Supervision | 2 hrs 3 hrs |
| Extended Practicum Culinary Arts 2 Semester 2 8549 PEIMS # 13022715 1.5 cr | CHEF 2386 Internship | 3 hrs |