

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 Linda Wilder, OCTECHS Principal, at 432.456.6400

BUSINESS LEADERSHIP

9th Grade

BIM I Semester 1 8642 PEIMS # 13011400	1 cr	BMGT 1301 Supervision	3 hrs
BIM II Semester 2 8502 PEIMS # 13011500	1 cr	BMGT 1309 Info & Project Management	3 hrs
PE Foundations of Personal Fitness Semester 1 4809 PEIMS # PES00052	½ cr	KINE 1106 Jogging/Walking	1 hr
PE Individual Team Sports Semester 2 4806 PEIMS # PES00055	½ cr	KINE 1100 Lifestyle Assessment & Modality	1 hr

10th Grade

Professional Communications (Speech) Semester 1 8482 PEIMS # 13009900	½ cr	BMGT 1305 Communications in Management	3 hrs
Family & Community Services Semester 1 8499 PEIMS # 13024900	1 cr	HRPO 1311 Human Relations	3 hrs
Business Management Semester 2 8414 PEIMS # 13012100	1 cr	BMGT 1327 Principles of Management	3 hrs
Money Matters Semester 2 8501 PEIMS # 13016200	1 cr	BMGT 1313 Principles of Purchasing	3 hrs

11th Grade

Student Leadership Semester 1 2936 PEIMS # N1290010	½ cr	BMGT 2309 Leadership	3 hrs
Project Based Research Semester 1 8530 PEIMS # 12701500	1 cr	BMGT 2303 Problem Solving & Decision Making	3 hrs
Financial Analysis Semester 2 8619 PEIMS # 13016800	1 cr	BMGT 2310 Financial Management	3 hrs

Statistics & Business Decision Making Semester 2 8511 PEIMS # 13016900 1 cr	BMGT 2311 Change Management 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

12th Grade

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
Entrepreneurship Semester 1 8413 PEIMS # 13034400 1 cr	BUSG 2309 Small Business Management 3 hrs
Human Resources Management Semester 1 8495 PEIMS # 13011900 ½ cr	HRPO 2301 Human Resources Management 3 hrs
Extended Practicum Business Management Semester 2 8469 PEIMS # 13012205 1.5 cr	BMGT 2382 Co-Op Ed-Bus Admin/Mgmt 3 hrs
Principles of Business, Marketing & Finance Semester 1 8412 PEIMS # 13011200 1 cr	MRKG 1311 Principles of Marketing 3 hrs
Accounting I Semester 2 TBD PEIMS # 13016600 1 cr	ACNT 1311 Intro to Computerized Acctng 3 hrs

Energy Tech

9th Grade

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 4806 PEIMS # PES00055 ½ cr	KINE 1100 Lifestyle Assessment & Modality 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
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10th Grade

BIM I Semester 1 8642 PEIMS # 13011400	1 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

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

12th Grade

Government 2025 PEIMS # 03330100	½ cr	GOVT 2305 Federal Government	
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	1.5 cr	PTAC 2436 Process Instrumentation II INTC 1356 Instrumentation Calibration	4 hrs 3 hrs
Extended Practicum STEM 2 Semester 2 8557 PEIMS # 13037415	1.5 cr	INMT 1417 Industrial Automation CETT 1391 Circuit Analysis	4 hrs 3 hrs

MACHINE TECHNOLOGY

9th Grade

PE Foundations of Personal Fitness Semester 1 4809 PEIMS # PES00052 ½ cr	KINE 1106 Jogging/Walking 1 hr
PE Individual Team Sport Semester 2 4806 PEIMS # PES00055 ½ cr	KINE 1100 Lifestyle Assessment & Modality 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

BIM I Semester 1 8642 PEIMS # 13011400 1 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

Art Appreciation Semester 1 4591 PEIMS # 03500110 ½ cr	ARTS 1301 Art Appreciation 3 hrs
Extended Practicum Machining 1 Semester 1 8573 PEIMS # 13033005 1.5 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 1.5 cr	MCHN 2434 Operations of CNC Mach Center 4 hrs WLDG 1421 Welding Fundamentals 4 hrs

12th Grade

Government 2025 PEIMS # 0333011 ½ cr	GOVT 2305 Federal Government
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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
Music Appreciation Semester 1 4653 PEIMS # 03152900 ½ cr	MUSI 1306 Music Appreciation 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 2381 Co-Op Ed-Mach Tool Tech/Mach 4 hrs

OCCUPATIONAL SAFETY & ENVIRONMENTAL TECHNOLOGY (OSET)

9th Grade

Public Speaking Semester 2 2374 PEIMS # 03240900 ½ cr	OSHT 2320 Safety Training Presentation 3 hrs
Project Based Research Semester 1 8530 PEIMS # 12701500 1 cr	OSHT 1301 Introduction to Safety and Health 3 hrs
OSET I Semester 1 8811 PEIMS # N1303680 ½ cr	OSHT 1313 Accident Prevention 3 hrs
OSET I Semester 2 8811 PEIMS # N1303680 ½ cr	OSHT 2309 Safety Program Management 3 hrs

10th Grade

OSET II Semester 1 TBD PEIMS # N1303681 1 cr	EPCT 1344 Environ Sampling/Analysis OSHT 1321 Fire Protection Systems 3 hrs 3 hrs
Energy and Natural Resources Semester 2 8407 PEIMS # 13001100 1 cr	OSHT 2401 OSHA Regs-General Industry EPCT 2300 Dept of Transportation (DOT) Regs 3 hrs 3 hrs

11th Grade

Art Appreciation Semester 1 4591 PEIMS # 03500110 ½ cr	ARTS 1301 Art Appreciation 3 hrs
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PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052	½ cr	KINE 1106 Jogging and Walking	1 hr
OSET III Semester 1 8576 PEIMS # N1303682	1 cr	OSHT 1309 Physical Hazards Control OSHT 2305 Ergonomics and Human Factor in Safety	3 hrs 3 hrs
OSET III Semester 2 8576 PEIMS # N1303682	1 cr	BIOL 2406 Environmental Biology	4 hrs

12th Grade

Economics 2536 PEIMS # 3310300	½ cr	ECON 2301 Principles of Macroeconomics	3 hrs *Student will take ECON 2301 OR GOVT 2305, but not both
Government 2025 PEIMS # 3330100	½ cr	GOVT 2305 Federal Government	3 hrs *Student will take ECON 2301 OR GOVT 2305, but not both
Music Appreciation Semester 1 4653 PEIMS # 03152900	½ cr	MUSI 1306 Music Appreciation	3 hrs
Principles of Technology (Physics) Semester 2 TBD PEIMS # 13037100	½ cr	SCIT 1318 Applied Physics	3 hrs
Extended Practicum OSET 1 Semester 1 8544 PEIMS # 13033005	1.5 cr	EPCT 1341 Principles of Industrial Hygiene	3 hrs
Extended Practicum OSET 1 Semester 2 8544 PEIMS # 13033005	1.5 cr	OSHT 2488 Internship	4 hrs
PE Individual Team Sports Semester 1 4806 PEIMS # PES00055	½ cr	KINE 1100 Lifestyle Assessment Mod	1 hr

WELDING

9th Grade

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 4806 PEIMS # PES00055	½ cr	KINE 1100 Lifestyle Assessment & Modality	1 hr
Welding 1 Semester 1 8660 PEIMS # 13032300	1 cr	WLDG 1421 Welding Fundamentals	4 hrs
Welding 1 Semester 2 8660 PEIMS # 13032300	1 cr	WLDG 1417 Intro to Layout Fabrication	4 hrs

10th Grade

Music Appreciation 4653 PEIMS # 03152900 ½ cr	MUSI 1306 Music Appreciation 3 hrs
Art Appreciation Semester 1 4591 PEIMS # 03500110 ½ cr	ARTS 1301 Art Appreciation 3 hrs
Welding 2 Semester 1 8661 PEIMS # 13032400 1 cr	WLDG 1430 Intro to Gas Welding 4 hrs
Welding 2 Semester 2 8661 PEIMS # 13032400 1 cr	WLDG1434 Intro to Gas Tungs Arc (GTAW) 4 hrs

11th Grade

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 4 hrs WLDG 1337 Intro to Welding Metal 3 hrs

12th Grade

Economics 2536 PEIMS # 3310300 ½ cr	ECON 2301 Principles of Macroeconomics 3 hrs
Extended Practicum Welding II Semester 1 8531 PEIMS # 13033015 1.5 cr	WLDG 2406 Intermediate Pipe Welding 4 hrs WLDG 2381 Co-Op Ed-Welding Tech/Welder 3 hrs WLDG 2435 Adv. Layout & Fabrication 4 hrs
Practicum Welding II Semester 2 8531 PEIMS # 13033015 1.5 cr	WLDG 2413 Intermed. Wldg w/ Multi Proc. 4 hrs WLDG 2381 Co-Op Ed-Welding Tech/Welder 3 hrs

CRIMINAL JUSTICE

9th Grade

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 4806 PEIMS # PES00055 ½ cr	KINE 1100 Lifestyle Assessment & Modality 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

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

Professional Communications (Speech) Semester 1 8482 PEIMS # 13009900 ½ cr	SPCH 1321 Business & Professional Speech 3 hrs
Extended Practicum Criminal Justice 1 Semester 1 8553 PEIMS # 13030105 1.5 cr	CRIJ 1310 Fundamentals of Criminal Law 3 hrs CRIJ 2313 Correctional Systems & Practices 3 hrs
Extended Practicum Criminal Justice 1 Semester 1 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 Semester 2 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

Technical Writing Semester 2 2367 PEIMS # 03221100 ½ cr	ENGL 2311 Technical & Business Writing 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 Justice 2 Semester 1 8558 PEIMS # 13030115	1.5 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 2 Semester 1 8558 PEIMS # 13030115	1.5 cr	CJLE 2386 Internship – Criminal Justice	3 hrs

CULINARY ARTS

9th Grade

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 4806 PEIMS # PES000055	½ cr	KINE 1100 Lifestyle Assessment & Modality	1 hr
Culinary Arts 1 Semester 1 8537 PEIMS# 13022600	1 cr	CHEF 1205 Sanitation and Safety CHEF 1301 Basic Food Prep	2 hrs 3 hrs
Culinary Arts 1 Semester 2 8537 PEIMS# 13022600	1 cr	RSTO 1204 Dining Room Service IFWA 1218 Nutrition for Food Service Professionals RSTO 1221 Menu Management	2 hrs 2 hrs 2 hrs

10th Grade

Advanced Culinary Arts Semester 1 8512 PEIMS# 13022650	1 cr	RSTO 1201 Beverage Management RSTO 1325 Purchasing for Hospitality Operations CHEF 1214 A La Carte Cooking	2 hrs 3 hrs 2 hrs
Advanced Culinary Arts Semester 2 8538 PEIMS# 13022700	1 cr	RSTO 1313 Hospitality Supervision CHEF 1341 American Regional Cuisine	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
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11th Grade

English 3 Semester 2 2327 PEIMS # 03220300	½ cr	ENGL 1301 Composition I	3 hrs
Extended Practicum Culinary Arts 1 Semester 1 8554 PEIMS # 13022705	1.5 cr	CHEF 2302 Saucier	3 hrs
Extended Practicum Culinary Arts 1 Semester 2 8554 PEIMS # 13022705	1.5 cr	CHEF 1341 American Regional Cuisine	3 hrs
Professional Communications (Speech) Semester 1 8481 PEIMS # 13009900	½ cr	SPCH 1321 Business & Professional Speech	3 hrs

12th Grade

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 Culinary Arts 2 Semester 1 8549 PEIMS # 13022715	1.5 cr	PSTR 1340 Plated Desserts CHEF 1310 Garde Manager	3 hrs 3 hrs
Extended Practicum Culinary Arts 2 Semester 2 8549 PEIMS # 13022715	1.5 cr	CHEF 2380 Cooperative Education- Culinary Arts/Chef Training	3 hrs