



Odessa Career & Technical Early College High School

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 cr Semester 1 8642 PEIMS # 13011400	1	BMGT 1301 Supervision hrs	3
BIM II cr Semester 2 8502 PEIMS # 13011500	1	BMGT 1309 Info & Project Management hrs	3
PE Foundations of Personal Fitness Semester 1 4809 PEIMS # PES00052A cr	½	KINE 1106 Jogging/Walking	1 hr
PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052A cr	½	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	½ cr	HRPO 1311 Human Relations	3 hrs
Business Management Semester 2 8414 PEIMS # 13012100	½ cr	BMGT 1327 Principles of Management	3 hrs
Money Matters Semester 2 8501 PEIMS # 13016200	½ cr	BMGT 1313 Principles of Purchasing	3 hrs
Art Appreciation I Semester 1 4588 PEIMS # 03500110	1 cr	ARTS 1301 Art Appreciation	3 hrs
Music Appreciation		MUSI 1306 Music Appreciation	3 hrs

Semester 2 4653 PEIMS # 03155600	½ cr	
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11th Grade

Algebra II Semester 2 2566 PEIMS # 03100600	½ cr	MATH 1314 College Algebra	3 hrs
Student Leadership Semester 1 2936 PEIMS # N1290010	½ cr	BMGT 2309 Leadership	3 hrs
Problems & Solutions Semester 1 8526 PEIMS # 12701500	½ cr	BMGT 2303 Problem Solving & Decision Making	3 hrs
Principles of Business, Marketing & Finance Semester 1 8412 PEIMS # 13011200	½ cr	MRKG 1311 Principles of Marketing	3 hrs
Accounting I Semester 2 8607 PEIMS # 13016600	½ cr	ACNT 1311 Intro to Computerized Acctg	3 hrs
Financial Analysis Semester 2 8619 PEIMS # 13016800	½ cr	BMGT 2310 Financial Management	3 hrs
Statistics & Risk Management Semester 2 8511 PEIMS # 13016900	½ cr	BMGT 2311 Change Management	3 hrs

12th Grade

US Government 2025 PEIMS # 3330100	½ cr	GOVT 2305 Federal Government	3 hrs
Economics 2536 PEIMS # 3310300	½ cr	ECON 2301 Principles of Macroeconomics	3 hrs
Technical Writing Semester 2 2327 PEIMS # 03221100	1 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	1 cr	HRPO 2301 Human Resources Management	3 hrs
Practicum Business Management Semester 2 8496 PEIMS # 13012200	3 cr	BMGT 2382 Co-Op Ed-Bus Admin/Mgmt	3 hrs

Energy Tech

9th Grade

PE Foundations of Personal Fitness Semester 1 4806 PEIMS # PES00052 ½ cr	KINE 1106 Jogging/Walking 1 hr
PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052 ½ cr	KINE 1100 Lifestyle Assessment & Modality 1 hr
Electronics Semester 1 8598 PEIMS # 13032700 1 cr	CETT 1409 DC-AC Circuits 4 hrs
Electronics Semester 2 8598 PEIMS # 13032700 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 8482 PEIMS # 13009900 ½ cr	SPCH 1321 Business & Professional Speech 3 hrs
Advanced Electronics Semester 1 8599 PEIMS # 13032800 1 cr	ELPT 1455 Electrical Applications 4 hrs
Advanced Electronics Semester 2 8599 PEIMS # 13032800 1 cr	IEIR 1410 Motor Controls 4 hrs

11th Grade

Algebra II Semester 2 2566 PEIMS # 03100600 ½ cr	MATH 1314 College Algebra 3 hrs
Electrical Tech Semester 1 8443 PEIMS # 13005600 1 cr	ELMT 2433 Industrial Electronics 4 hrs ELPT 2419 Program Logic Controllers I 4 hrs
Electrical Tech Semester 2 8443 PEIMS # 13005600 1 cr	ELMT 2339 Advanced Programmable Logic 4 hrs PTAC 1432 Process Instrumentation 4 hrs

12th Grade

Economics 2536 PEIMS # 03310300 ½ cr	ECON 2301 Principles of Macroeconomics 3 hrs
Art Appreciation Semester 1 4588 PEIMS # 034500110 ½ cr	ARTS 1301 Art Appreciation 3 hrs
Music Appreciation Semester 2 4653 PEIMS # 03155600 ½ cr	MUSI 1306 Music Appreciation 3 hrs
Advanced Electrical Technology Semester 1 8444 PEIMS # 13005700 1 cr	PTAC 2436 Process Instrumentation II 4 hrs INTC 1356 Instrumentation Calibration 3 hrs
Advanced Electrical Technology Semester 2 8444 PEIMS # 13005700 1 cr	INMT 1417 Industrial Automation 4 hrs CETT 1391 Circuit Analysis 3 hrs

MACHINE TECHNOLOGY

9th Grade

PE Foundations of Personal Fitness Semester 1 4809 PEIMS # PES00052A ½ cr	KINE 1106 Jogging/Walking 1 hr
PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052A ½ cr	KINE 1100 Lifestyle Assessment & Modality 1 hr
Flexible Manufacturing I Semester 1 8562 PEIMS # 13032700 1 cr	MCHN 1438 Basic Machine Shop I 4 hrs
Flexible Manufacturing I Semester 2 8562 PEIMS # 13032700 1 cr	MCHN 1413 Basic Milling Operations 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 8482 PEIMS # 13009900 ½ cr	SPCH 1321 Business & Professional Speech 3 hrs
Advanced Flexible Manufacturing Semester 1 8563 PEIMS # 13032800 1 cr	MCHN 1441 Basic Machine Shop II 4 hrs
Advanced Flexible Manufacturing Semester 2	MCHN 2437 Advanced Milling Operations 4 hrs

8563 PEIMS # 13032800	1 cr	
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11th Grade

Algebra II Semester 2 2566 PEIMS # 03100600	½ cr	MATH 1314 College Algebra	3 hrs
Art Appreciation Semester 1 4588 PEIMS # 034500110	½ cr	ARTS 1301 Art Appreciation	3 hrs
Practicum Flexible Manufacturing Semester 1 8700 PEIMS # 1303300cr	1 ½ cr	OSHT 2401 OSHA Regulations-Gen Industry MCHN 2403 Fund of CNC Machine Controls	4 hrs 4 hrs
Practicum Flexible Manufacturing Semester 2 8700 PEIMS # 1303300cr	1 ½ cr	MCHN 2434 Operations of CNC Mach Center WLDG 1421 Welding Fundamentals	4 hrs 4 hrs

12th Grade

Economics 2536 PEIMS # 03310300	½ cr	ECON 2301 Principles of Macroeconomics	3 hrs
Technical Writing Semester 2 2327 PEIMS # 03221100	1 cr	ENGL 2311 Technical & Business Writing	3 hrs
Music Appreciation Semester 1 4653 PEIMS # 03155600	½ cr	MUSI 1306 Music Appreciation	3 hrs
Practicum Flexible Manufacturing II Semester 1 8701 PEIMS # 13033010	1 ½ cr	MCHN 2433 Advanced Lathe Operations	4 hrs
Practicum Flexible Manufacturing II Semester 2 8701 PEIMS # 13033010	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
OSET I Semester 1 8811 PEIMS # N1303680	1 cr	OSHT 1313 Accident Prevention OSHT 1301 Intro to Safety & Health	3 hrs 3 hrs
OSET I Semester 2 8811 PEIMS # 1303680	1 cr	OSHT2309 Safety Program Management	3 hrs

10th Grade

OSET II Semester 1 8812 PEIMS # N1303681	1 cr	EPCT 1344 Environ Sampling/Analysis OSHT 1321 Fire Protection Systems	3 hrs 3 hrs
OSET II Semester 1 8812 PEIMS # N1303681	1 cr	OSHT 2401 OSHA Regs-General Industry EPCT 2300 Dept of Transportation (DOT) Regs	3 hrs 3 hrs
PE Foundations of Personal Fitness Semester 1 4806 PEIMS # PES00052	½ cr	KINE 1106 Jogging/Walking	1 hr
PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052	½ cr	KINE 1100 Lifestyle Assessment & Modality	1 hr

11th Grade

Algebra II 2566 PEIMS # 03100600	1 cr	MATH 1314 College Algebra	3 hrs
Art Appreciation Semester 1 4588 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
OSET III Semester 1 2564 PEIMS # TBD	1 cr	OSHT 1309 Physical Hazards Control OSHT 2305 Ergonomics/Human Factor Safety	3 hrs 3 hrs
OSET III - Environmental Systems Semester 2 2564 PEIMS # 03020000	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
Technical Writing 2327 PEIMS # 03221100 1 cr	ENGL 2311 Technical & Business Writing 3 hrs
Principles of Technology (Physics) 3176 PEIMS # 13037100 1 cr	SCIT 1318 Applied Physics 3 hrs
OSET IV Semester 1 TBD PEIMS # TBD 2 cr	EPCT 1341 Principles of Industrial Hygiene 3 hrs
OSET IV Semester 2 TBD PEIMS # TBD 2 cr	OSHT 2488 Internship 4 hrs

WELDING

9th Grade

PE Foundations of Personal Fitness Semester 1 4806 PEIMS # PES00052 ½ cr	KINE 1106 Jogging/Walking 1 hr
PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052 ½ cr	KINE 1100 Lifestyle Assessment & Modality 1 hr
Welding Semester 1 8660 PEIMS # 13008400 1 cr	WLDG 1421 Welding Fundamentals 4 hrs
Welding Semester 2 8660 PEIMS # 13008400 1 cr	WLDG1417 Intro to Layout Fabrication 4 hrs

10th Grade

Music Appreciation 4653 PEIMS # 03155600 ½ cr	MUSI 1306 Music Appreciation 3 hrs
Art Appreciation 4588 PEIMS # 03500110 ½ cr	ARTS 1301 Art Appreciation 3 hrs
Advanced Welding Semester 1 8661 PEIMS # 13033000 1 cr	WLDG 1430 Intro to Gas Welding 4 hrs
Advanced Welding Semester 2 8661 PEIMS # 13033000 1 cr	WLDG1434 Intro to Gas Tungs Arc (GTAW) 4 hrs

11th Grade

Algebra II Semester 2 2427 PEIMS # 03100600 ½ cr	MATH 1314 College Algebra 3 hrs
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
Practicum Welding I Semester 1 8429 PEIMS # 13033300 1 cr	WLDG 1435 Intro to Pipe Welding 4 hrs
Practicum Welding I Semester 2 8429 PEIMS # 13033300 2 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
Practicum Welding II Semester 1 XXXX PEIMS # 13033010 1 ½ 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 XXXX PEIMS # 13033010 1 ½ 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 4806 PEIMS # PES000052A ½ cr	KINE 1106 Jogging/Walking 1 hr
PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES000052 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
Criminal Justice I.....1 cr	CRIJ 1306 Court Systems and Practices 3 hrs

Semester 2 8550 PEIMS # 13029300	
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10th Grade

Art Appreciation Semester 1 4588 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
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 Justice II Semester 2 8551 PEIMS # 13029400	1 cr	CRIJ 1313 Juvenile Justice System.....	3 hrs
		CJSA 1348 Ethics in Criminal Justice.....	3 hrs

11th Grade

Professional Communications (Speech) Semester 1 8481 PEIMS # 13009900	½ cr	SPCH 1321 Business & Professional Speech	3 hrs
Algebra II Semester 2 2566 PEIMS # 03100600	1 cr	MATH 1314 College Algebra	3 hrs
Practicum Law, Public Safety, Corrections, and Security I Semester 1 **** PEIMS # 13030100	1 cr	CRIJ 1310 Fundamentals of Criminal Law	3 hrs
		CRIJ 2313 Correctional Systems & Practices	3 hrs
Practicum Law, Public Safety, Corrections, and Security I Semester 2 **** PEIMS # 13030100	1 cr	CJLE 1327 Interviewing and Report Writing for Criminal Justice	3 hrs
		CRIJ 2314 Criminal Investigation	3 hrs
		CJLE 1346 Human Trafficking	3 hrs

12th Grade

Technical Writing Semester 2 2327 PEIMS # 03221100	1 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
Practicum Law, Public Safety, Corrections, and Security II Semester 1 **** PEIMS # 13030110	1 ½ cr	HMSY 1337 Introduction to Homeland Security	3 hrs
		CRIJ 2328 Police Systems and Practices	3 hrs
		CJSA 1330 Cybercrimes	3 hrs
Practicum Law, Public Safety, Corrections, and Security II Semester 2 **** PEIMS # 13030110	1 ½ cr	CJLE 2386 Internship – Criminal Justice	3 hrs

CULINARY ARTS

9th Grade

PE Foundations of Personal Fitness Semester 1 4806 PEIMS # PES000052A ½ cr	KINE 1106 Jogging/Walking 1 hr
PE Foundations of Personal Fitness Semester 2 4809 PEIMS # PES00052 ½ cr	KINE 1100 Lifestyle Assessment & Modality 1 hr
Art Appreciation Semester 1 4588 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
Professional Communications (Speech) Semester 2 8481 PEIMS # 13009900 ½ cr	SPCH 1321 Business & Professional Speech 3 hrs
Culinary Arts 1 Semester 1 8537 PEIMS# 13022600 1 hr	CHEF 1205 Sanitation and Safety 2 hrs

10th Grade

Practicum Culinary Arts Semester 1 8538 PEIMS# 13022700 1 cr	CHEF 1301 Basic Food Prep 3 hrs RSTO 1204 Dining Room Service 2 hrs
Practicum Culinary Arts Semester 2 8538 PEIMS# 13022700 1 cr	IFWA 1218 Nutrition for Food Service Professionals 2 hrs RSTO 1221 Menu Management 2 hrs

11th Grade

Algebra II Semester 2 2566 PEIMS # 03100600 1 cr	MATH 1314 College Algebra 3 hrs
Practicum Culinary Arts II Semester 1 1 hr	RSTO 1325 Purchasing for Hospitality Operations 3 hrs CHEF 1214 A La Carte Cooking 2 hrs RSTO 1201 Beverage Management 2 hrs
Practicum Culinary Arts II Semester 2 1 hr	RSTO 1313 Hospitality Supervision 3 hrs CHEF 1341 American Regional Cuisine 3 hrs CHEF 2302 Saucier 3 hrs

12th Grade

Technical Writing Semester 2 2327 PEIMS # 03221100	1 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
Culinary Arts Semester 1	1 hr	CHEF 1345 International Cuisine PSTR 1301 Fundamentals of Baking PSTR 1340 Plated Desserts CHEF 1310 Garde Manager PSTR 2331 Advanced Pastry Shop	3 hrs 3 hrs 3 hrs 3 hrs 3 hrs
Culinary Arts Semester 1	1 hr	CHEF 2380 Cooperative Education- Culinary Arts/Chef Training	3 hrs