

Alexandria Technical & Community College

2024-25 Common Course/Equivalency List

Alexandria Technical & Community College			Embry-Riddle Aeronautical University, Worldwide		
ACCT 2000	Principles of Accounting I	4	ACCT 210	Financial Accounting	3
			XACCT	Accounting Elective (applicable as Lower Level)	1
ACCT 2010□	Principles of Accounting II	4	XACCT	Accounting Elective (applicable as Lower Level)	4
ACCT 2618	Managerial Cost Accounting	4	ACCT 312	Managerial Accounting	3
			XACCT	Accounting Elective (applicable as Lower Level)	1
ADMN 2522	Advanced Microsoft Word Techniques	4	XCSCI	Computer Science Elective (applicable as Lower Level)	4
ART 1408	Survey of Western Art & Culture	4	XHUMN	Humanities Elective (applicable as Lower Level)	4
ART 1420	Modern Design & Theory	3	XHUMN	Humanities Elective (applicable as Lower Level)	3
AVIA 1500	Introduction to Aviation	2	ASCI 202	Introduction to Aeronautical Science	2
AVIA 1510	Private Pilot Ground Course	4	ASCI 121	Private Pilot Operations	4
AVIA 1600	Unmanned Aircraft Systems Knowledge	3	XUNSY	Uncrewed Systems Elective (applicable as Lower Level)	3
BIOL1410	Introduction to Biology I	4	XBIOL	Biology Elective (applicable as Lower Level)	4
BIOL 1411	Introduction to Biology II	4	XBIOL	Biology Elective (applicable as Lower Level)	4
BIOL 1413	Plant Biology	4	XBIOL	Biology Elective (applicable as Lower Level)	4
BIOL 1416	Biology for Science Majors I	3	XBIOL	Biology Elective (applicable as Lower Level)	3
BIOL 1417	Human Anatomy & Physiology I	4	XBIOL	Biology Elective (applicable as Lower Level)	4
BIOL 1419	Human Anatomy & Physiology II	4	XBIOL	Biology Elective (applicable as Lower Level)	4
BIOL 1435	Principles of Nutrition	3	XOPEN	Open Elective (applicable as Lower Level)	3
BIOL 1450	General Biology I	4	BIOL 120	Foundations of Biology I	3
			XBIOL	Biology Elective (applicable as Lower Level)	1
BIOL1452	General Biology II	4	XBIOL	Biology Elective (applicable as Lower Level)	4
BIOL 2225	Microbiology	3	XBIOL	Biology Elective (applicable as Lower Level)	3
BIOL 2230	Genetics	4	XBIOL	Biology Elective (applicable as Lower Level)	4

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BUS 1200	Financial Markets	3	XMGMT	Management Elective (applicable as Lower Level)	3
BUS 2200	Business Law	3	BUSW 390	Business Law	3
BUS 2210	Entrepreneurship	3	XMGMT	Management Elective (applicable as Lower Level)	3
BUS 2220	Principles of Management	3	MGMT 201	Principles of Management	3
CHEM 1406	Fundamentals of Chemistry	4	XCHEM	Chemistry Elective (applicable as Lower Level)	4
CHEM 1410	Introduction to Organic and Biochemistry	4	XCHEM	Chemistry Elective (applicable as Lower Level)	4
CHEM 1500	General Chemistry I	4	CHEM 110	General Chemistry I	3
			CHEM 110L	General Chemistry I Laboratory	1
CHEM 1505	General Chemistry II	4	CHEM 110	General Chemistry I	3
			CHEM 110L	General Chemistry I Laboratory	1
COMM 1415	Public Speaking	3	COMD 219	Speech	3
COMM 1435	Interpersonal Communication	3	XCOMD	Communication Elective (applicable as Lower Level)	3
COMM 1437□	Intercultural Communication	3	XCOMD	Communication Elective (applicable as Lower Level)	3
COMM 1485	Social Media Communication	3	XCOMD	Communication Elective (applicable as Lower Level)	3
*COMM 1610	Communication	3	XSPCH	Speech Elective (applicable as Lower Level)	3
COMM 2414	Conflict Resolutions Through Communications	3	XCOMD	Communication Elective (applicable as Lower Level)	3
CSCI 1525 or CVNP 1525	C++ Programming for Scientists/Engineers	4	ENGR 115	Introduction to Computing for Engineers	3
			XENGR	Engineering Elective (applicable as Lower Level)	1
ECON 1404	Consumer Economics and Finance	3	XECON	Economics Elective (applicable as Lower Level)	3
ECON 1420	Introduction to Macroeconomics	3	ECON 211	Macroeconomics	3
ECON 1430	Introduction to Microeconomics	3	ECON 210	Microeconomics	3
ENGL 1410	Composition I	3	ENGL 123	English Composition	3
ENGL 1420	Composition II	3	ENGL 143	Introduction to Rhetoric	3
ENGL 1453	Multicultural American Literature	3	XHUMN	Humanities Elective (applicable as Lower Level)	3

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ENGL 1460 □	Technical Writing	3	ENGL 221	Technical Report Writing	3
ENGL 1465	Creative Writing	3	XENGL	English Elective (applicable as a Lower Level)	3
ENGL 1475	Introduction to Literature	3	HUMN 142	Studies in Literature	3
ENGL 1485	Introduction to Film Studies	3	XHUMN	Humanities Elective (applicable as Lower Level)	3
ENGL 1490	Introduction to Literary Studies	3	XHUMN	Humanities Elective (applicable as Lower Level)	3
ENGL 1495	Environmental Literature	3	XHUMN	Humanities Elective (applicable as Lower Level)	3
*ENGL 1640	Writing Capstone	3	XENGL	English Elective (applicable as a Lower Level)	3
ENGL 2405	Modern to Contemporary American Literature	3	HUMN 310	American Literature	3
ENGL 2420	Modern World Literature	3	HUMN 300	World Literature	3
ENGR 1220	Introduction to Engineering	3	ENGR 101	Introduction to Engineering	3
ENGR 2101	Statics	3	ESCI 201	Statics	3
ENGR 2102	Dynamics	3	ESCI 204	Dynamics	3
ENGR 2103	Mechanics of Deformable Bodies	3	ESCI 202	Solid Mechanics	3
ENGR 2105	Thermodynamics	3	ESCI 305	Thermodynamics	3
GENS 1600	Customer Service and Leadership	3	XOPEN	Open Elective (applicable as a Lower Level)	3
GEOG 1471	World Regional Geography	3	XSOSC	Social Science Elective (applicable as a Lower Level)	3
GEOG 1480 □	Geography of the United States and Canada	3	XSOSC	Social Science Elective (applicable as a Lower Level)	3
*GEOG 1500	Introduction to the Geopolitical Environment: A United States Perspective	3	XSOSC	Social Science Elective (applicable as a Lower Level)	3
GEOG 1510	Human Geography	3	XSOSC	Social Science Elective (applicable as a Lower Level)	3
HIST 1401	U.S. History to 1877	3	HIST 119	U.S. History to 1865	3
HIST 1402	U.S. History, 1877 to Present	3	XHIST	History Elective (applicable as Lower Level)	3
HIST 1421	World History to 1500	3	XHIST	History Elective (applicable as Lower Level)	3
HIST 1422	World History - 1500 to Present	3	XHIST	History Elective (applicable as Lower Level)	3
*HIST 1660	Battle Study	3	XHIST	History Elective (applicable as Lower Level)	3
*HIST 1665	Modern Naval History	3	XHIST	History Elective (applicable as Lower Level)	3
*HIST 2410	Naval Force Design: Past, Present, and Future	3	XHIST	History Elective (applicable as Lower Level)	3

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HUMA 1407	Introduction to the Humanities	3	XHUMN	Humanities Elective (applicable as Lower Level)	3
HUMA 1411	Theatre Appreciation	3	XHUMN	Humanities Elective (applicable as Lower Level)	3
ITEC 1430	Computer Applications and Technology	3	CSCI 109	Introduction to Computers and Applications	3
ITEC 1440	Beginning Personal Computer I	2	XCSCI	Computer Science Elective (applicable as Lower Level)	2
LEGL 1603	Criminal Procedures, Business Organizations, & Family Law	4	XTECH	Technical Elective (applicable as Lower Level)	4
LENF 1500	Introduction to Criminal Justice	3	XTECH	Technical Elective (applicable as Lower Level)	3
MATH 1415	Mathematical Reasoning	3	XOPEN	Open Elective (applicable as Lower Level)	3
MATH 1421	College Algebra	4	MATH 140	College Algebra	3
			XMATH	Mathematics Elective (applicable as a Lower Level)	1
MATH 1425	Precalculus	4	MATH 111	Pre-calculus for Aviation	3
			XMATH	Mathematics Elective (applicable as a Lower Level)	1
MATH 1426	Calculus I	4	MATH 241	Calculus & Analytic Geometry I	4
MATH 1431	Geometry	3	XOPEN	Open Elective (applicable as Lower Level)	3
MATH 1432	Principles of Trigonometry	3	MATH 142	Trigonometry	3
MATH 1447	Introduction to Statistics	4	STAT 222	Business Statistics	3
			XSTAT	Statistics Elective (applicable as a Lower Level)	1
MATH 1450	Technical Math	3	XOPEN	Open Elective (applicable as Lower Level)	3
MATH 1451	Technical Math	3	XOPEN	Open Elective (applicable as Lower Level)	3
MATH 1452	Technical Math	3	XOPEN	Open Elective (applicable as Lower Level)	3
MATH 1453	Technical Math	3	XOPEN	Open Elective (applicable as Lower Level)	3
MATH 1455	Applied Technical Mathematics	2	XOPEN	Open Elective (applicable as Lower Level)	2
MATH 1460	Quantitative Problem Solving	3	XOPEN	Open Elective (applicable as Lower Level)	3
MATH 2200	Differential Equations and Linear Algebra	4	MATH 345	Differential Equations and Matrix Methods	4
MATH 2232	Calculus II	4	MATH 242	Calculus and Analytical Geometry II	4
MATH 2240	Calculus III	4	MATH 243	Calculus and Analytical Geometry III	4

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MEDR 1601 MEDR 1602 MEDR 1618	Engineering Drawing I and Engineering Drawing II and Computer Assisted Drafting 3-D	9	ENGR 120	Graphical Communications	3
			XENGR	Engineering Elective (applicable as Lower Level)	6
MEDR 1608 □	Rapid Prototype Operations	1	XENGR	Engineering Elective (applicable as Lower Level)	1
MEDR 1609	Engineering Drawing III	5	XENGR	Engineering Elective (applicable as Lower Level)	5
MEDR 1615	Computer Assisted Drafting 2-D	4	XENGR	Engineering Elective (applicable as Lower Level)	4
MEDR 1617	Computer Assisted Drafting 2-D	3	XENGR	Engineering Elective (applicable as Lower Level)	3
MEDR 2601	Product Design (with CAD)	4	XENGR	Engineering Elective (applicable as Lower Level)	4
MEDR 2610	Machine Design (with CAD)	3	XENGR	Engineering Elective (applicable as Lower Level)	3
MEDR 2615	Applied Statics and Strengths of Material	3	XENGR	Engineering Elective (applicable as Lower Level)	3
MEDR 2703	Practicum	3	XOPEN	Open Elective (applicable as Lower Level)	3
MFGT 1550	Engineering Drafting	2	XCSCI	Computer Science Elective (applicable as Lower Level)	2
MKSM 2603	Sales Force and Territory Management	3	XMKTG	Marketing Elective (applicable as Lower Level)	3
MKTG 1505	Retail Management and Merchandising	3	XMKTG	Marketing Elective (applicable as Lower Level)	3
MKTG 1507	Business Math	3	XOPEN	Open Elective (applicable as Lower Level)	3
MKTG 1511	Advertising and Sales Promotion	3	XMKTG	Marketing Elective (applicable as Lower Level)	3
MKTG 1515	Selling Principles and Practices	3	XMKTG	Marketing Elective (applicable as Lower Level)	3
MKTG 1530 □	Counselor Selling	3	XMKTG	Marketing Elective (applicable as Lower Level)	3
MKTG 2501	Marketing and Social Media Management	3	XMKTG	Marketing Elective (applicable as Lower Level)	3
MKTG 2515	Quality Customer Service	3	XMKTG	Marketing Elective (applicable as Lower Level)	3
MKTG 2518	Supervision and Human Resource Management	3	XMGMT	Management Elective (applicable as Lower Level)	3
MKTG 2525	Principles of Marketing	3	MKTG 311	Marketing	3
MKTG 2530	Digital Marketing	3	XMKTG	Marketing Elective (applicable as Lower Level)	3
MUSC 1500	American Music and Culture	3	XHUMN	Humanities Elective (applicable as Lower Level)	3
PHIL 1405 □	Introduction to Philosophy	3	XHUMN	Humanities Elective (applicable as Lower Level)	3
PHIL 1445	Ethics	3	XHUMN	Humanities Elective (applicable as Lower Level)	3

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PHIL 1450	Intro to World Religions	3	XHUMN	Humanities Elective (applicable as Lower Level)	3
*PHIL 1460	Naval Ethics and Leadership	3	XHUMN	Humanities Elective (applicable as Lower Level)	3
PHYS 1081	Engineering Physics I	4	PHYS 150	Physics I for Engineers	3
			XPHYC	Physics Elective (applicable as Lower Level)	1
PHYS 1082	Engineering Physics II	4	PHYS 160	Physics II for Engineers	3
			XPHYC	Physics Elective (applicable as Lower Level)	1
PHYS 1100	Fundamentals of Physics	3	PHYS 102	Explorations in Physics	3
PHYS 1407	College Physics I	3	XPHYC	Physics Elective (applicable as Lower Level)	3
PHYS 1408	College Physics I Lab	1	XPHYC	Physics Elective (applicable as Lower Level)	1
PHYS 2212 □	Physics II	4	XPHYC	Physics Elective (applicable as Lower Level)	4
POLS 1460	Constitutional Democracy and Government	3	XGOVT	Government Elective (applicable as Lower Level)	3
*POLS 1630	Military History, Governance, and Culture	4	XSOSC	Social Science Elective (applicable as a Lower Level)	4
POLS 1635	Civil Military Organization and Policies: Introduction to US Government	3	XSOSC	Social Science Elective (applicable as a Lower Level)	3
PSYC 1405	Life Span Psychology	3	PSYC 220	Introduction to Psychology	3
PSYC 1410	Psychological Disorders	3	XPSYC	Psychology Elective (applicable as a Lower Level)	3
PSYC 1445	General Psychology	3	XPSYC	Psychology Elective (applicable as a Lower Level)	3
PSYC 2436	Psychology of Addictions	3	XPSYC	Psychology Elective (applicable as a Lower Level)	3
SOCS 1400 □	Introduction to Sociology	3	SOCI 210	Introduction to Sociology	3
SOCS 1402	Social Problems	3	XSOCI	Sociology Elective (applicable as a Lower Level)	3
SOCS 1405 □	Critical Thinking in Society	3	XSOCI	Sociology Elective (applicable as a Lower Level)	3
*SOCS 1640	Critical Thinking	3	XHUMN	Humanities Elective (applicable as Lower Level)	3
SOCS 2410 □	Inequality and Social Change	3	XSOSC	Social Science Elective (applicable as a Lower Level)	3
Note: Courses shown with an asterisk (*) are used to transcript Credit for Prior Learning.					