

# Transferable Courses

## Amarillo College to New Mexico Tech

The AC courses below are articulated to transfer to NMT if the student earns a grade of C or higher  
Students should refer to the NMT course catalog for a complete list of course requirements for NMT degrees.

### Courses for General Education Requirements

AC Course	NMT Equivalent
<b>Oral &amp; Written Communication</b>	
<b>9 credits required</b>	<b>3 additional credits required for this group</b>
ENGL 1301 (3) - Freshman English I ENGL 1302 (3) - Freshman English II SPCH 1315 (3) - Public Speaking SPCH 1318 (3) - Interpersonal Communication SPCH 1321 (3) - Business and Professional Speaking	ENGL 111 (3) - College English ENGL 112 (3) - College English ENGL 242 (3) - Speech Huma Requirement (3) Huma Requirement (3)
<b>Mathematics</b>	
<b>4 credits required</b>	<b>Calc I &amp; II (8 hrs) required for all students. Additional math requirements vary by major</b>
MATH 1314 (4) - College Algebra MATH 1316 (3) - Plane Trigonometry MATH 2412 (3) - Precalculus MATH 2413 (4) - Calculus I MATH 2414 (4) - Calculus II MATH 2318 (3) - Linear Algebra MATH 2320 (3) - Differential Equations	MATH 101 (3) - College Algebra MATH 104 (3) - Trigonometry MATH 103 (3) - Precalculus MATH 131 (4) - Calculus & Analy Geometry I MATH 132 (4) - Calculus & Analy Geometry II MATH 254 (3) - Intro to Applied Linear Algebra MATH 335 (3) - Ordinary Differential Equations
<b>Natural Sciences</b>	
<b>8 credits requires</b>	<b>24 credits required (8 hrs engineering physics, 8 hrs chemistry, 8 hrs additional lab science)</b>
CHEM 1311 (3) - Principles of Chemistry I CHEM 1111 (1) - Principles of Chem Lab I CHEM 1312 (3) - Principles of Chemistry II CHEM 1112 (1) - Principles of Chem Lab II PHYS 2425 (4) - Principles of Physics I PHYS 2426 (4) - Principles of Physics II GEOL 1303 (3) - Physical Geology GEOL 1103 (1) - Physical Geology Lab GEOL 1304 (3) - Historical Geology GEOL 1104 (1) - Historical Geology Lab GEOL 1445 (4) - Oceanography BIOL 1406 (4) - Biology I BIOL 1407 (4) - Biology II BIOL 2306 (3) - Environmental Science BIOL 23106 (1) - Environmental Sci Lab BIOL 1308 (3) - Life Science I BIOL 1108 (1) - Life Science Lab I BIOL 1309 (3) - Life Science II BIOL 1109 - Life Science Lab II BIOL 1411 (4) - Botany BIOL 1413 (4) - Zoology BIOL 2421 (4) - Microbiology BIOL 2401 (4) - Human Anatomy & Physiology I BIOL 2402 (4) - Human Anatomy & Physiology II BIOL 2404 (4) - Human Physiology	CHEM 121 (3) - General Chemistry I CHEM 121L (1) - General Chemistry I Lab CHEM 122 (3) - General Chemistry II CHEM 122L (1) - General Chemistry II Lab PHYS 121 & L (5) - General Physics I PHYS 122 & L (5) - General Physics II ERTH 101 (3) - Earth Processes ERTH 103L (1) - Earth Processes Lab Lab Science Requirement (3) Lab Science Requirement (1) Lab Science Requirement (4) BIOL 111 & 111L (4) - General Biology & Lab BIOL 112 & 112L (4) - General Biology II & Lab Lab Science Requirement (3) Lab Science Requirement (1) Lab Science Requirement (3) Lab Science Requirement (1) Lab Science Requirement (3) Lab Science Requirement (1) Lab Science Requirement (4) Lab Science Requirement (4) Lab Science Requirement (4) Lab Science Requirement (4) Lab Science Requirement (4) Lab Science Requirement (4) Lab Science Requirement (4)

<b>Humanities</b>	
<b>3 credits required</b>	<b>0 additional credits required for this group</b>
Any 2000-level ENGL (literature) course (3)	Huma Requirement (3)
Any Foreign Language (3)	Huma Requirement (3)
ANTH 2346 (3) - General Anth & the Humanities	Huma Requirement (3)
HIST 2311 (3) - Western Civilization	Huma Requirement (3)
HIST 2322 (3) - Comparative World History Since 1500	HIST 152 (3) - World History II
HUMA 1301 (3) - Humanities - Ancient to Medieval	Huma Requirement (3)
HUMA 1302 (3) - Humanities - Renaissance to Mod	Huma Requirement (3)
HUMA 1315 (3) - Survey of Art and Music	Huma Requirement (3)
PHIL 1301 (3) - Introduction to Philosophy	Huma Requirement (3)
PHIL 1304 (3) - Introduction to World Religion	Huma Requirement (3)
PHIL 2306 (3) - Introduction to Ethics	Huma Requirement (3)
RELG 1301 (3) - The Old Testament	Huma Requirement (3)
RELG 1302 (3) - The New Testament	Huma Requirement (3)
SOCI 2319 (3) - Minority Studies	Huma Requirement (3)
<b>Visual/Performing Arts</b>	
<b>3 credits required</b>	<b>0 additional credits required for this group</b>
ARTS 1301 (3) - Art Appreciation	Huma Requirement (3)
ARTS 1303 (3) - Art History I	Huma Requirement (3)
ARTS 1304 (3) - Art History II	Huma Requirement (3)
HUMA 1315 (3) - Survey of Art and Music	Huma Requirement (3)
MUSI 1306 (3) - Music Appreciation	MUS 110 (3) - Music Appreciation
MUSI 1310 - (3) - American Music	Huma Requirement (3)
<b>Social and Behavioral Sciences</b>	
<b>15 credits required</b>	<b>0 additional credits required for this group</b>
ANTH 2302 (3) - Archaeology	SS Requirement (3)
ANTH 2351 (3) - Cultural Anthropology	ANTH 101 (3) - Cultural Anthropology
CRIJ 1301 (3) - Introduction to Criminal Justice	SS Requirement (3)
CRIJ 1307 (3) - Crime in America	SS Requirement (3)
ECON 1301 (3) - Introduction to Economics	SS Requirement (3)
ECON 2301 (3) - Principles of Macroeconomics	ECON 251 (3) - Principles of Macroeconomics
ECON 2302 (3) - Principles of Microeconomics	ECON 252 (3) - Principles of Microeconomics
GEOG 1302 (3) - Cultural Geography	SS Requirement (3)
GOVT 2305 (3) - Government of the United States	PS 171 (3) - American Government
GOVT 2306 (3) - Government of Texas	SS Requirement (3)
HIST 1301 (3) - History of the United States I	HIST 141 (3) - American History to 1865
HIST 1302 (3) - History of the United States II	HIST 142 (3) - American History since 1865
HIST 2311 (3) - Western Civilization	Huma Requirement (3)
HIST 2322 (3) - World History Since 1500	HIST 152 (3) - World History II
PSYC 2301 (3) - General Psychology	PSY 121 (3) - General Psychology
PSYC 2306 (3) - Human Sexuality	PSY 350 (3) - Psychobiology of Sex
PSYC 2308 (3) - Child Psychology	SS Requirement (3)
PSYC 2314 (3) - Lifespan: Growth & Development	SS Requirement (3)
PSYC 2315 (3) - Human Behavior Personal Adjust	SS Requirement (3)
PSYC 2316 (3) - Psychology of Personality	SS Requirement (3)
PSYC 2319 (3) - Social Psychology	SS Requirement (3)
SOCI 1301 (3) - Introduction to Sociology	SS Requirement (3)
SOCI 1306 (3) - Modern Social Problems	SS Requirement (3)
SOCI 2301 (3) Marriage and the Family	SS Requirement (3)
SOCI 2319 (3) - Minority Studies	SS Requirement (3)
SOCI 2326 (3) - Social Psychology	SS Requirement (3)
<b>Lifetime Fitness</b>	
<b>1 credit required</b>	<b>0 additional credits required for this group</b>
Any PHED course 1011-1122	General Elective

## Courses for NMT Major

AC Course	NMT Equivalent
<b>Major Requirements - Mechanical Engineering</b>	
<b>62 additional credits required for this group</b>	
MATH 2415 (4) Calculus III MATH 2320 (3) - Differential Equations ENGR 2301 (3) - Engineering Mechanics ENGR 1304 (3) - Engineering Graphics ** ENGR 1371 (3) - Intro to Engineering ** ENGR 2302 (3) - Engineering Mechanics II ENGR 2405 (3) - Electrical Circuits COSC 1317 (3) - Computer Programming for Engineers	MATH 231 (4) - Calculus and Analytic Geometry III MATH 335 (3) - Ordinary Differential Equations ES 201 (3) - Statics ES 110 (2) - Introduction to Engineering ** ES 110 (2) - Introduction to Engineering ** ES 303 (3) - Engineering Dynamics ES 332 (3) - Electrical Engineering ES 111 (3) - Computer Programming for Engineers
** AC Students must take both ENGR 1304 & 1371 to earn credit for ES 110.	
<b>Major Requirements - Mineral Engineering</b>	
<b>52 additional credits required for this group</b>	
MATH 2415 (4) Calculus III MATH 2320 (3) - Differential Equations ENGR 2301 (3) - Engineering Mechanics ENGR 1304 (3) - Engineering Graphics ** ENGR 1371 (3) - Intro to Engineering ** ENGR 1307 (3) - Surveying ENGR 2302 (3) - Engineering Mechanics II ENGR 2405 (3) - Electrical Circuits COSC 1317 (3) - Computer Programming for Engineers GEOL 1301/1103 (4) - Physical Geol & Lab	MATH 231 (4) - Calculus and Analytic Geometry III MATH 335 (3) - Ordinary Differential Equations ES 201 (3) - Statics ES 110 (2) - Introduction to Engineering ** ES 110 (2) - Introduction to Engineering ** ME 220 (3) - Surveying & Map Preparation ES 303 (3) - Engineering Dynamics ES 332 (3) - Electrical Engineering ES 111 (3) - Computer Programming for Engineers ERTH 101 & 103L (4) - Earth Processes & Lab
** AC Students must take both ENGR 1304 & 1371 to earn credit for ES 110.	
<b>Major Requirements - Materials Engineering</b>	
<b>60 additional credits required for this group</b>	
MATH 2415 (4) Calculus III MATH 2320 (3) - Differential Equations ENGR 2301 (3) - Engineering Mechanics ENGR 1304 (3) - Engineering Graphics ** ENGR 1371 (3) - Intro to Engineering ** ENGR 2302 (3) - Engineering Mechanics II ENGR 2405 (3) - Electrical Circuits COSC 1317 (3) - Computer Programming for Engineers	MATH 231 (4) - Calculus and Analytic Geometry III MATH 335 (3) - Ordinary Differential Equations ES 201 (3) - Statics ES 110 (2) - Introduction to Engineering ** ES 110 (2) - Introduction to Engineering ** ES 303 (3) - Engineering Dynamics ES 332 (3) - Electrical Engineering ES 111 (3) - Computer Programming for Engineers
** AC Students must take both ENGR 1304 & 1371 to earn credit for ES 110.	
<b>Major Requirements - Petroleum Engineering</b>	
<b>56 additional credits required for this group</b>	
MATH 2415 (4) Calculus III MATH 2320 (3) - Differential Equations ENGR 2301 (3) - Engineering Mechanics ENGR 1304 (3) - Engineering Graphics ** ENGR 1371 (3) - Intro to Engineering ** ENGR 2302 (3) - Engineering Mechanics II ENGR 2405 (3) - Electrical Circuits COSC 1317 (3) - Computer Programming for Engineers GEOL 1301/1103 (4) - Physical Geol & Lab	MATH 231 (4) - Calculus and Analytic Geometry III MATH 335 (3) - Ordinary Differential Equations ES 201 (3) - Statics ES 110 (2) - Introduction to Engineering ** ES 110 (2) - Introduction to Engineering ** ES 303 (3) - Engineering Dynamics ES 332 (3) - Electrical Engineering ES 111 (3) - Computer Programming for Engineers ERTH 101 & 103L (4) - Earth Processes & Lab
** AC Students must take both ENGR 1304 & 1371 to earn credit for ES 110.	

**Major Requirements - Civil Engineering**

MATH 2415 (4) Calculus III	MATH 231 (4) - Calculus and Analytic Geometry III
MATH 2320 (3) - Differential Equations	MATH 335 (3) - Ordinary Differential Equations
ENGR 2301 (3) - Engineering Mechanics	ES 201 (3) - Statics
ENGR 1304 (3) - Engineering Graphics **	ES 110 (2) - Introduction to Engineering **
ENGR 1371 (3) - Intro to Engineering **	ES 110 (2) - Introduction to Engineering **
COSC 1317 (3) - Computer Programming for Engineers	ES 111 (3) - Computer Programming for Engineers
ENGR 1307 (3) - Surveying	ME 220 (3) - Surveying & Map Preparation

\*\* AC Students must take both ENGR 1304 & 1371 to earn credit for ES 110.

**Major Requirements - Physics**

PHYS 2425 (4) - Principles of Physics I	PHYS 121 & L (5) - General Physics I
PHYS 2426 (4) - Principles of Physics II	PHYS 122 & L (5) - General Physics II