

Transfer Articulation Agreement

between

Central New Mexico Community College

Associate of Applied Science in Computer Information Systems, Computer Programming Concentration
and

New Mexico Highlands University

Bachelor of Software Systems Design

- Students completing the Associate of Applied Science in Computer Information Systems, Computer Programming Concentration at Central New Mexico Community College can apply those credits and courses directly toward the Bachelor of Software Systems Design at New Mexico Highlands University.
- The transfer and articulation of the commonly numbered coursework and New Mexico general education core structure within this articulation agreement is in alignment with the Post-Secondary Education Articulation Act, 21-1B, NMSA 1978.
- Students that earn their Associate of Applied Science and transfer to NMHU will be granted a waiver for NMHU's proficiency and extended core.
- This transfer agreement will be reviewed by CNM and NMHU each academic year, by the Office of Academic Affairs at CNM and the Registrar at NMHU.
- This Transfer Articulation Agreement shall not exceed eight (8) years.

Central New Mexico Community College

Associate of Applied Science in Computer Information Systems,
Computer Programming Concentration
(62 credit hours)

New Mexico Highlands University

Bachelor of Software Systems Design
(127-135 credit hours)

Oral and Written Communication

Complete 9 credit hours, complete COMM 1130, COMM 2120, and choose one course between ENGL 1210 or ENGL 2210.

COMM 1130 Public Speaking (3)

COMM 2120 Interpersonal Communication (3)

ENGL 1210 Technical Communications (3)

or

ENGL 2210 Professional and Technical Communication (3)

Mathematics

Complete 3 credit hours, one course from the following options.

MATH 1130 Survey of Mathematics (3)

MATH 1140 Geometry for Design (3)

MATH 1220 College Algebra (3)

MATH 1220P College Algebra Plus (4)

MATH 1350 Introduction to Statistics (3)

MATH 1350P Introduction to Statistics Plus (4)

Laboratory Sciences

Complete 4 credit hours, to include a Lab. Choose one lecture and lab from the following options.

ASTR 1010 Introduction to Solar System Astronomy (3)

ASTR 1010L Introduction to Solar System Astronomy Laboratory (1)

ASTR 1110 Introduction to Stellar and Galactic Astronomy (3)

ASTR 1110L Introduction to Stellar and Galactic Astronomy Laboratory (1)

BIOL 1110 General Biology (3)

BIOL 1110L General Biology Lab (1)

BIOL 1215 Biology for Environmental Sciences (3)

BIOL 1215L Biology for Environmental Sciences Lab (1)
 BIOL 1125 Human Biology (4)
 BIOL 1130 Introductory Anatomy and Physiology (3)
 BIOL 1130L Introduction to Anatomy and Physiology Lab (1)
 BIOL 1140 Biology for Health Sciences (3)
 BIOL 1140L Biology for Health Sciences Lab (1)
 BIOL 2110 Principles of Biology: Cellular and Molecular Biology (3)
 BIOL 2110L Principles of Biology: Cellular and Molecular Biology Lab (1)
 CHEM 1110 Chemistry in Our Community (3)
 CHEM 1110L Chemistry in Our Community Laboratory (1)
 CHEM 1115 Chemistry in Art (3)
 CHEM 1115L Chemistry in Art Laboratory (1)
 CHEM 1120 Introduction to Chemistry (3)
 CHEM 1120L Introduction to Chemistry Laboratory (1)
 CHEM 1215 General Chemistry I for STEM Majors (3)
 CHEM 1215L General Chemistry I Laboratory for STEM Majors (1)
 GEOG 1110 Physical Geography (3)
 GEOG 1110L Physical Geography Lab (1)
 GEOL 1110 Physical Geology (3)
 GEOL 1110L Physical Geology Laboratory (1)
 NUTR 1010 Personal and Practical Nutrition (3)
 NUTR 1010L Personal and Practical Nutrition Lab (1)
 PHYS 1115 Survey of Physics (3)
 PHYS 1115L Survey of Physics Laboratory (1)
 PHYS 1230 Algebra-Based Physics I (4)
 PHYS 1230L Algebra-Based Physics I Laboratory (1)
 PHYS 1310 Calculus-Based Physics I (4)
 PHYS 1310L Calculus-Based Physics I Laboratory (1)

Social and Behavioral Sciences or Humanities
 Complete 3 credit hours, one course from the following options.

Social and Behavioral Science Options

AFST 1110 Introduction to Africana Studies (3)
 ANTH 1140 Introduction to Cultural Anthropology (3)
 ANTH 1115 Introduction to Anthropology (3)
 ANTH 1120C Introduction to Archaeology Lecture and Lab (4)
 ANTH 1135 Introduction to Biological Anthropology (3)
 ANTH 1155 Introduction to Linguistic Anthropology (3)
 ANTH 1160 World Archaeology (3)
 ANTH 2150 Indigenous Peoples of the American Southwest (3)
 CCST 2110 Introduction to Chicana and Chicano Studies (3)
 ECON 1110 Survey of Economics (3)
 ECON 2110 Macroeconomic Principles (3)
 ECON 2120 Microeconomic Principles (3)
 ECON 2125 Society & Environment (3)
 GEOG 1130 Human Geography (3)
 GNDR 2110 Introduction to Women, Gender, and Sexuality Studies (3)
 LTAM 1110 Introduction to Latin American Studies (3)
 POLS 1110 Introduction to Political Science (3)

POLS 1120 American National Government (3)
 POLS 2110 Comparative Politics (3)
 POLS 2120 International Relations (3)
 POLS 2130 Political Ideas/Introduction to Political Theory (3)
 POLS 2170 State and Local Politics (3)
 PSYC 2120 Developmental Psychology (3)
 PSYC 2330 Psychology of Human Sexuality (3)
 PSYC 2360 Psychology and Film (3)
 SOCI 1110 Introduction to Sociology (3)
 SOCI 2120 Introduction to Criminal Justice Systems (3)
 SOCI 2210 Sociology of Deviance (3)
 SOCI 2220 Sociology of Gender (3)
 SOCI 2240 Sociology of Intimate Relationships and Family (3)
 SOCI 2250 Sociology of Race and Ethnicity (3)
 SOCI 2310 Contemporary Social Problems (3)
 SOCI 2330 Society and Personality (3)
 SOCI 2340 Global Issues (3)
Humanities Options
 AMST 1130 Introduction to American Popular Culture (3)
 AMST 1140 Introduction to Race, Class & Ethnicity (3)
 ENGL 1410 Introduction to Literature (3)
 ENGL 2510 Analysis of Literature (3)
 ENGL 2570 Modern Latin American Literature (3)
 ENGL 2610 American Literature I (3)
 ENGL 2620 American Literature II (3)
 ENGL 2630 British Literature I (3)
 ENGL 2640 British Literature II (3)
 ENGL 2650 World Literature I (3)
 ENGL 2660 World Literature II (3)
 HIST 1103 Introduction to Historical Study (3)
 HIST 1110 United States History I (3)
 HIST 1120 United States History II (3)
 HIST 1150 Western Civilization I (3)
 HIST 1160 Western Civilization II (3)
 HIST 1170 Survey of Early Latin America (3)
 HIST 1180 Survey of Modern Latin America (3)
 HIST 2110 Survey of New Mexico History (3)
 HIST 2240 History of Vietnam (3)
 HIST 2270 The American West (3)
 HUMN 1110 Introduction to World Humanities I (3)
 HUMN 2110 Introduction to World Humanities II (3)
 NATV 1150 Introduction to Native American Studies (3)
 PHIL 1115 Introduction to Philosophy (3)
 PHIL 1120 Logic, Reasoning, & Critical Thinking (3)
 PHIL 1130 Contemporary Moral Issues (3)
 PHIL 2120 Biomedical Ethics (3)
 PHIL 2130 Environmental Ethics (3)
 PHIL 2135 Ethics of Technology (3)
 PHIL 2210 Early Modern Philosophy (3)
 PHIL 2220 Greek Philosophy (3)

RELG 1110 Introduction to World Religions (3) RELG 1120 Introduction to the Bible (3) RELG 2110 Eastern Religions (3) RELG 2120 Western Religions (3) RELG 2135 Ancient Religions (3) SIGN 1110 American Sign Language I (4) SPAN 2280 Introduction to Hispanic Literature (3)	
Associate of Applied Science in Computer Information Systems, Computer Programming Concentration Complete 25 credit hours	
CIS 1275 C++ Programming I (3) CIS 2235 Java Programming I (3) CIS 2277 C++ Programming III (Advanced OOP) (3) FDMA 1515 Introduction to Digital Image Editing-Photoshop (3)	CS 1440 Introduction to Computer Science (3) CS 1450 Introduction to Object-Oriented Programming (3) BSSD 3400 Programming and Logic (3) <ul style="list-style-type: none"> • CNM's CIS 2277 will satisfy the NMHU requirement of BSSD 3400, but not the upper division credit hours. FDMA 2330 Imaging History and Production (3) <ul style="list-style-type: none"> • CNM's FDMA 1515 will satisfy the NMHU requirement of FDMA 2033, but not the upper division credit hours.
<p>The following AAS in Computer Information Systems, Computer Programming Concentration coursework will transfer to NMHU and directly apply towards the open elective section required to meet the minimum 127 total credit hours for the BSSD.</p> BUSA 1110 Introduction to Business (3) BUSA 1130 Business Professionalism (3) BCIS 1110 Fundamentals of Information Literacy and Systems (3) CIS 1250 Python Programming I (3) CIS 1280 .Net I/C# (3) CIS 1680 Linux Essentials (3) CIS 2275 C++ Programming II (Object-Oriented Programming) (3) CIS 2520 Introduction to SQL (Structured Query Language) (3) CIS 2999 Capstone Course 1 credit hour(s) Computer Programming Courses 6 credit hour(s) Choose courses from the following options. <ul style="list-style-type: none"> • CIS 2237 Android App Dev with Java and Kotlin (3) • CIS 2240 iPhone (iOS) Programming (3) • CIS 2250 Game Development (3) • CIS 2284 .NET II/C# 	
Completion of the NM General Education Core	
The following general education areas can be completed at CNM and will transfer and directly apply towards the NM General Education requirements of the BSSD program. The following general education areas are in addition to the course requirements of the AAS in Computer Information Systems degree; these courses are not required to earn the AAS degree. It is strongly recommended that students discuss the general education options with a CNM Academic Coach.	
Humanities or Social and Behavioral Science (3) Creative and Fine Arts (3) FLEX/Multidisciplinary (6)	

This Agreement will be reviewed by CNM and NMHU annually.

CENTRAL NEW MEXICO COMMUNITY COLLEGE

Signature: 

Printed Name Kalynn Pirkl
Dean, School of Business & Information Technology

Signature: 

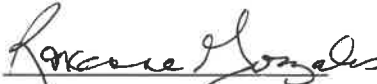
Printed Name Dr. Sydney Gunthorpe
Vice President for Academic Affairs

Date 9/29/22

NEW MEXICO HIGHLANDS UNIVERSITY

Signature V. Parboteeah

Printed Name D. Veena Parboteeah
Dean, School of Business, Media Technology

Signature 

Printed Name Roxanne Gonzales
Provost and Vice President for Academic Affairs

Date Oct 26, 2022

