



**MEMORANDUM OF UNDERSTANDING
TRANSFER ARTICULATION
ARKANSAS NORTHEASTERN COLLEGE
AND
ARKANSAS STATE UNIVERSITY-JONESBORO**

Associate of Applied Science in Steel Industry Technology

and

Bachelor of Science in Engineering Technology, Emphasis in Technical Studies

This Memorandum of Understanding ("Agreement"), entered into on ____ of July, 2025, ("Effective Date") by and between Arkansas State University-Jonesboro (hereinafter, "ASUJ"), located at 2105 Aggie Road, Jonesboro, Arkansas 72401, and Arkansas Northeastern College (hereinafter "ANC"), located at 2501 S Division St. Blytheville, AR 72315.

PURPOSE

The purpose of this Agreement is to facilitate the transfer and degree completion of students earning the Associate of Applied Science in Steel Industry Technology at ANC to the Bachelor of Science in Engineering Technology, Emphasis in Technical Studies. Through collaborative efforts, ASUJ and ANC will provide clarity regarding the degree requirements herein, and afford students the opportunity to earn a high-quality degree from both institutions in the most efficient manner possible.

AGREEMENT

It is agreed that any student who has earned the Associate of Applied Science in Steel Industry Technology at ANC will be admitted to the Bachelor of Science in Engineering Technology, Emphasis in Technical Studies at ASUJ with full junior classification, subject to the provisions listed below.

ADMISSION REQUIREMENTS

- A. The student must complete the requirements necessary for general admission to ASUJ as well as specific admission to the ASUJ Bachelor of Science in Engineering Technology, Emphasis in Technical Studies program.
- B. The student will have earned the Associate of Applied Science in Steel Industry Technology at ANC.
- C. Degree program admission requirements for students who transfer pursuant to this Agreement will be determined in the same manner as if their initial enrollment had been at ASUJ.

TRANSFER OF CREDITS

- A. Course requirements for this Agreement are displayed on the following attachments (see Appendix A).
- B. A transfer student who has not completed all of the courses specified within the Associate of Applied Science in Steel Industry Technology degree plan at ANC, before entering ASUJ, must work with an academic advisor to ensure timely completion of degree program requirements.
- C. Current and updated copies of catalogs/curricular requirements for the ASUJ Bachelor of Science in Engineering Technology, Emphasis in Technical Studies will be available to ANC online.
- D. Remedial course grades will not be computed in the cumulative GPA for purposes of admission to ASUJ.
- E. Calculation of overall GPA for purposes of graduation and awarding of honors is left to the discretion of ASUJ.
- F. ASUJ will accept grades of "D" for transfer purposes unless a grade of "C or better" is specified for specific courses in this agreement.

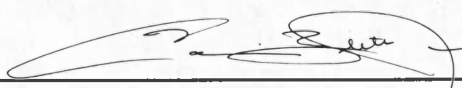
IMPLEMENTATION AND REVIEW

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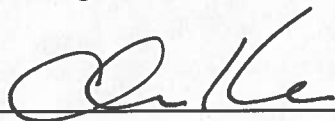
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Dr. C. White, Jr.
Provost & Executive Vice Chancellor
Arkansas State University-Jonesboro

Date: 5-16-25



Dr. Christopher Heigle
President
Arkansas Northeastern College

Date: 2/3/25

Appendix A

Arkansas Northeastern College Steel Tech Academy Course Rotation

ANC Courses

EN 12003 English Comp I

EN 12013 English Comp II

CS11033 Computer Applications

EL 15003 Basic Electricity I

ES 15003 Industrial Safety Administration

IS 15063 Basic Metallurgy

ME 15023 Mechanical Drives & Bearings

CE 11003 Workplace Essentials

MA 14123 Quantitative Reasoning **OR**

MA 14043 College Algebra

EL 25013 Industrial Motor Controls

MG 21003 Principles of Supervision

SP 12103 Introduction to Communications

ME 15013 Basic Hydraulics & Pneumatics

ME 15033 Maintenance Welding

Approved electives (18 hours) - These electives could be any courses with prefix AC, BU, CE, CS, CT, EL, ES, HV, IS, ME, MG, MT, OR WE.

Total Credit Hours: 60

ASU-Jonesboro Courses

The 60 credit hour AAS in Steel Industry Technology offered by ANC will allow students to stack the AAS with 2 more years (4 semesters) in the BS in Engineering Technology (Technical Studies emphasis area).

Required A-State Courses:

General Education Core

HIST 2763/2773 U.S. History to or Since 1876 OR

POSC 2103 Intro to U.S. Government

ENG 2003 Intro to Lit I OR

ENG 2013 Intro to Lit II OR

PHIL 1103 Intro to Philosophy

ART 2503 OR

MUS 2503 OR

THEA 2503

PHSC 1203 Physical Science AND

PHSC 1201 Physical Science Laboratory

BIOL 1003 Biological Science

BIOL 1001 Biological Science Lab

Any 6 hours from the following

ANTH 2233 - Introduction to Cultural Anthropology

MDIA 1003 - Mass Communications in Modern Society

ECON 2313 - Principles of Macroeconomics

ECON 2323 - Principles of Microeconomics

ECON 2333 - Economic Issues and Concepts

GEOG 2613 - Introduction to Geography

HIST 1013 - World History to 1500

HIST 1023 - World History since 1500

POSC 1003 - Introduction to Politics

PSY 2013 - Introduction to Psychology

SOC 2213 - Introduction to Sociology

Core Courses

ENG 3043 Technical Writing

RET 3113 Fundamentals and Applications of Renewable Energy

TECH 2863 Principles of Technology

TECH 3773 Statistics

TECH 4813 Operations Systems Research

TECH 4823 Quality Assurance

TECH 4853 Lean 6 Sigma for Manufacturing

TECH 4883 Work Center Management

Emphasis Area Courses

ME 3543 Introduction to Materials Science

Materials Laboratory

Programmable Logic Controllers*
Industrial Automation Fundamentals*
Data Science and AI*

Total: 60

*New course – to be developed

All ASUJ courses will be offered completely online as well as face-to-face.



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Associate of Science in Business
and
Bachelor of Science in Engineering Management Systems

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ADMISSION REQUIREMENTS

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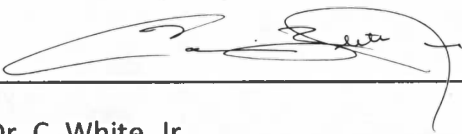
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Appendix A

Course equivalencies between Arkansas Northeastern College and Arkansas State University – Jonesboro

ANC Courses

Fall Semester – 17 Credit Hours

PY 13002 Academic and Career Enrichment
EN 12003 Composition I
MA 14043 College Algebra
CS 11033 Computer Applications
AR 2203 Art Appreciation **OR**
MU 22003 Music Appreciation **OR**
TH 22013 Fine Arts Theatre
SO 23013 Intro to Sociology

Spring Semester – 16 Credit Hours

EN 12013 Composition II
MA 24073 Business Calculus
BI 14033/BI 14041 General Biology/Lab
SP 12103 Intro to Communication
HI 13003 World Civ to 1600 **OR**
HI 13013 World Civ since 1600

Fall Semester – 16 Credit Hours

AC 21003 Principles of Accounting I
EC 21003 Macroeconomics
BU 11013 Legal Environment of Business
PS 14003/PS 14011 Physical Science/Lab
OT 21003 Business Communications

Spring Semester – 15 Credit Hours

AC 21013 Principles of Accounting II
PO 23003 American National Government
HI 23003 The U.S. to 1876 **OR**
HI 23013 The U.S. since 1876
EN 22003 World Literature I **OR**
EN 22013 World Literature II
BU 21013 Business Statistics
EC 21013 Microeconomics

Total Degree Credit Hours: 64

ASUJ Courses

UC 1000 University College Elective
ENG 1003 Composition I
MATH 1023 College Algebra
ISBA 1503 Microcomputer Applications
ART 2503 Fine Arts Visual
MUS 2503 Fine Arts Music
THEA 2503 Fine Arts Theatre
SOC 2213 Principles of Sociology

ENG 1013 Composition II
MATH 2194 Survey of Calculus
BIOL 1003/1001 Biological Science/Lab
COMS 1203 Oral Communications
HIST 1013 World Civilization to 1660
HIST 1023 World Civilization Since 1660

ACCT 2033 Intro to Financial Accounting
ECON 2313 Principles of Macroeconomics
LAW 2023 Legal Environment of Business
PHSC 1203/1201 Physical Science/Lab
BCOM 2563 Business Communication

POSC 2103 Intro to U.S. Government
HIST 2763 U.S. History to 1876
HIST 2773 U.S. History Since 1876
ENG 2000 English Elective
GENL 2000 Transfer Credit
ECON 2113 Business Statistics I
ECON 2323 Principles of Microeconomics

ASU-Jonesboro Courses

The following are courses that ANC students must take to complete ASUJ's Bachelor of Science in Engineering Management Systems

First Year Making Connections Course

CS 1093 Making Connections Computer Science

General Education Requirements

Sem. Hrs: 35

Students with this major must take the following:

MATH 1023 College Algebra (*or MATH course that requires MATH 1023 prerequisite*)

COMS 1203 Oral Communication

ECON 2313 Principles of Macroeconomics

ECON 2323 Principles of Microeconomics

Major Requirements

ACCT 2033 Introduction to Financial Accounting

ACCT 2133 Introduction to Managerial Accounting

COMS 3363 Communication Research Methods

CS 1114 Concepts of Programming

DATA 2004 Programming for Data Analysis

EGRM 3003 Technical Entrepreneurship

EGRM 3013 Project Management and Practice

EGRM 4003 Engineering Management Design I

EGRM 4013 Engineering Management Design II

EGRM 4023 Engineering Management I

EGRM 4033 Value Engineering Systems

EGRM 4063 Engineering Management Internship

EGRM 4073 Facilities Management Systems

LAW 2023 Legal Environment of Business

MATH 2143 Business Calculus

MGMT 3123 Principles of Management

TECH 3773 Statistics

TECH 3863 Industrial Safety

TECH 4813 Operations Systems Research

TECH 4723 Quality Assurance

Sub-total: 62

Electives

Electives Sem. Hrs: 20

Total Required Hours: 120



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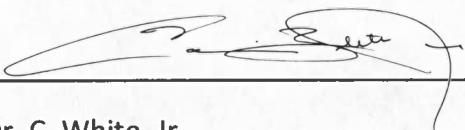
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Date: 2/3/2025

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ANC Courses

English Composition & Mathematics

EN 12003 Composition I
EN 12013 Composition II
MA 14043 College Algebra (STEM major) **OR**
MA 14123 Quantitative Reasoning (Non-STEM majors)

Life Sciences (*Choose one*)

BI 14033/BI 14041 General Biology/Lab
BI 14053/BI 14061 Botany/Lab
BI 14073/BI 14081 Zoology/Lab
BI 24003/BI 24011 Anatomy & Phys I/Lab
BI 24023/BI 24031 Anatomy & Phys II/Lab
BI 24043/BI 24051 Microbiology/Lab

Physical Sciences (*Choose one*)

PS 14003/PS 14011 Physical Science/Lab
PS 14043/PS 14051 Physical Geology/Lab
CH 14023/CH 14031 General Chem I/Lab
CH 14043/CH 14051 General Chem II/Lab
PS 24023/PS 24031 General Physics I/Lab
PS 24043/PS 24051 General Physics II/Lab
CH 14133/CH 14141 Chemistry for General Ed/Lab

Fine Arts/Humanities

Appreciative: Choose one.

AR 2203 Art Appreciation
MU 22003 Music Appreciation
TH 22013 Fine Arts Theatre

Integrative: Choose one.

EN 22003 World Literature I
EN 22013 World Literature II
PH 22003 Intro to Philosophy

U.S. History/Government (*Choose one*)

HI 23003 The U.S. to 1876
HI 23013 The U.S. since 1876
PO 23003 American Nat. Gov.

Social Sciences:

World Civilization: Choose one.

HI 13003 World Civ to 1600
HI 13013 World Civ since 1600

Social Science:

ASUJ Courses

ENG 1003 Composition I
ENG 1013 Composition II
MATH 1023 College Algebra
MATH 1043 Quantitative Reasoning

BIOL 1003/1001 Biological Science/Lab
BIO 1503/1501 Biology of Plants/Lab
BIO 1303/1301 Biology of Animals/Lab
BIO 2203/2201 Human Anatomy & Physio I/Lab
BIO 2223/2221 Human Anatomy & Physio II/Lab
BIOL 2103/2101 Microbiology for Nursing/Lab

PHSC 1203/1201 Physical Science/Lab
GEOL 1003/1001 Environmental Geology/Lab
CHEM 1013/1011 General Chemistry I/Lab
CHEM 1023/2021 General Chemistry II/Lab
PHYS 2054 General Physics I
PHYS 2064 General Physics II
CHEM 1043/1041 Fundamental Concepts of Chem/Lab

ART 2503 Fine Arts Visual
MUS 2503 Fine Arts Music
THEA 2503 Fine Arts Theatre

ENG 2000 English Elective
GENL 2000 Transfer Credit
PHIL 1103 Introduction to Philosophy

HIST 2763 U.S. History to 1876
HIST 2773 U.S. History Since 1876
POSC 2103 Intro to U.S. Government

HIST 1013 World Civilization to 1600
HIST 1023 World Civilization Since 1600

Choose two not yet taken:

EC 21003 Macroeconomics
EC 21013 Microeconomics
HI 13003 World Civ to 1600
HI 13013 World Civ since 1600
HI 23003 The U.S. to 1876
HI 23013 The U.S. since 1876
PO 23003 American Nat. Gov.
PY 23003 General Psychology
SO 23013 Intro to Sociology
SO 23043 Social Problems

ECON 2313 Principles of Macroeconomics
ECON 2323 Principles of Microeconomics
HIST 1013 World Civilization to 1600
HIST 1023 World Civilization Since 1600
HIST 2763 The United States to 1876
HIST 2773 The United States Since 1876
POSC 2103 Intro to U.S. Government
PSY 2013 Introduction to Psychology
SOC 2213 Principles of Sociology
SOC 2223 Social Problems

Institutional Requirements

PY 13002 Academic and Career Enrichment
PE 17112 Fitness for Life
SP 12103 Intro to Communication

UC 1000 University College Elective
PE 1002 Concepts of Fitness
COMS 1203 Oral Communications

Directed Electives (18 hrs.)

Directed elective courses must be from the Arkansas Course Transfer System (ACTS).

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ACCT 2033 Introduction to Financial Accounting

CM 3003 Construction Physics

CM 3013 Green Construction

CM 3023 Strategi Bidding and Estimating

CM 3033 Architectural CAD

CM 3043 Structural Blueprints

CM 3053 Building Information Modeling

CM 4003 Construction Management Design I

CM 4013 Construction Management Design II

CM 4023 Materials and Methods for Construction

CM 4063 Construction Management Internship

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MGMT 3123 Principles of Management

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TECH 3863 Industrial Safety

TECH 4813 Operations Systems Research

TECH 4723 Quality Assurance

Sub-total: 77

Electives

Electives **Sem. Hrs: 5**

Total Required Hours: 120



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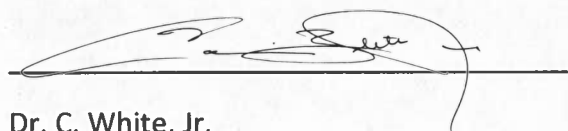
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BI 14053/BI 14061 Botany/Lab

BI 14073/BI 14081 Zoology/Lab

BI 24003/BI 24011 Anatomy & Phys I/Lab

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CH 14043/CH 14051 General Chem II/Lab

CH 14133/CH 14141 Chemistry for General Ed/Lab

PS 24023/PS 24031 General Physics I/Lab

PS 24043/PS 24051 General Physics II/Lab

Humanities (*Choose one*)

AR 2203 Art Appreciation

MU 22003 Music Appreciation

TH 22013 Fine Arts Theatre

Literature (*Choose one*)

EN 22003 World Literature I

EN 22013 World Literature II

Social Sciences

World Civilization: Choose one:

HI 13003 World Civ to 1600

HI 13013 World Civ since 1600

U.S. History (*Choose one*)

HI 23003 The U.S. to 1876

HI 23013 The U.S. since 1876

ASUJ Courses

ENG 1003 Composition I

ENG 1013 Composition II

COMS 1203 Oral Communications

MATH 1023 College Algebra

MATH 1043 Quantitative Reasoning

BIOL 1003/1001 Biological Science/Lab

BIO 1503/1501 Biology of Plants/Lab

BIO 1303/1301 Biology of Animals/Lab

BIO 2203/2201 Human Anatomy & Physio I/Lab

BIO 2223/2221 Human Anatomy & Physio II/Lab

BIOL 2103/2101 Microbiology for Nursing/Lab

PHSC 1203/1201 Physical Science/Lab

GEOL 1003/1001 Environmental Geology/Lab

CHEM 1013/1011 General Chemistry I/Lab

CHEM 1023/2021 General Chemistry II/Lab

CHEM 1043/1041 Fundamental Concepts of Chem/Lab

PHYS 2054 General Physics I

PHYS 2064 General Physics II

ART 2503 Fine Arts Visual

MUS 2503 Fine Arts Music

THEA 2503 Fine Arts Theatre

ENG 2000 English Elective

GENL 2000 Transfer Credit

HIST 1013 World Civilization to 1660

HIST 1023 World Civilization Since 1660

HIST 2763 U.S. History to 1876

HIST 2773 U.S. History Since 1876

Social Science: Choose one:

PO 23003 American Nat. Gov.
PY 23003 General Psychology
SO 23013 Intro to Sociology
AN 23003 Intro to Anthropology
GE 23003 Intro to Geography
PH 22003 Intro to Philosophy
CJ 15003 Intro to Criminal Justice
SO 23043 Social Problems

POSC 2103 Intro to U.S. Government
PSY 2013 Introduction to Psychology
SOC 2213 Principles of Sociology
ANTH 2233 Intro to Cultural Anthropology
GEOG 2613 Introduction to Geography
PHIL 1103 Introduction to Philosophy
CRIM 1023 Intro to Criminal Justice
SOC 2223 Social Problems

Institutional Requirements

PY 13002 Academic and Career Enrichment
PE 17112 Fitness for Life

UC 1000 University College Elective
PE 1002 Concepts of Fitness

Area of Concentration (21-27 hours)

Business

ASU-Jonesboro Courses

The following are courses that ANC students must take to complete ASU's Bachelor of Science in Construction Management

First Year Making Connections Course

CS 1093 Making Connections Computer Science

General Education Requirements

Sem. Hrs: 35

Students with this major must take the following:

MATH 1023 College Algebra (*or MATH course that requires MATH 1023 prerequisite*)

ECON 2313 Principles of Macroeconomics

ECON 2323 Principles of Microeconomics

COMS 1203 Oral Communication

Major Requirements

ACCT 2033 Introduction to Financial Accounting

CM 3003 Construction Physics

CM 3013 Green Construction

CM 3023 Strategic Bidding and Estimating

CM 3033 Architectural CAD

CM 3043 Structural Blueprints

CM 3053 Building Information Modeling

CM 4003 Construction Management Design I

CM 4013 Construction Management Design II

CM 4023 Materials and Methods for Construction

CM 4063 Construction Management Internship

CS 1114 Concepts of Programming

DATA 2004 Programming for Data Analysis

EGRM 3003 Technical Entrepreneurship

EGRM 3013 Project Management and Practice

EGRM 4023 Engineering Management I

EGRM 4033 Value Engineering Systems

EGRM 4073 Facilities Management Systems

LAW 2023 Legal Environment of Business

MATH 2143 Business Calculus

MGMT 3123 Principles of Management

TECH 3773 Statistics

TECH 3863 Industrial Safety

TECH 4813 Operations Systems Research

TECH 4723 Quality Assurance

Sub-total: 77

Electives

Electives **Sem. Hrs: 5**

Total Required Hours: 120



MEMORANDUM OF UNDERSTANDING
TRANSFER ARTICULATION
ARKANSAS NORTHEASTERN COLLEGE
AND
ARKANSAS STATE UNIVERSITY-JONESBORO

Associate of Science in Business
and
Bachelor of Science in Construction Management

This Memorandum of Understanding ("Agreement"), entered into on ____ of November, 2024, ("Effective Date") by and between Arkansas State University-Jonesboro (hereinafter, "ASUJ"), located at 2105 Aggie Road, Jonesboro, Arkansas 72401, and Arkansas Northeastern College (hereinafter "ANC"), located at 2501 S Division St. Blytheville, AR 72315.

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AGREEMENT

It is agreed that any student who has earned the Associate of Science in Business at ANC will be admitted to the Bachelor of Science in Construction Management at ASUJ with full junior classification, subject to the provisions listed below.

ADMISSION REQUIREMENTS

- A. The student must complete the requirements necessary for general admission to ASUJ as well as specific admission to the ASUJ Bachelor of Science in Construction Management program.
- B. The student will have earned the Associate of Science in Business at ANC.
- C. Degree program admission requirements for students who transfer pursuant to this Agreement will be determined in the same manner as if their initial enrollment had been at ASUJ.

TRANSFER OF CREDITS

- A. Course requirements for this Agreement are displayed on the following attachments (see Appendix A).
- B. A transfer student who has not completed all of the courses specified within the Associate of Science in Business degree plan at ANC, before entering ASUJ, must work with an academic advisor to ensure timely completion of degree program requirements.
- C. Current and updated copies of catalogs/curricular requirements for the ASUJ Bachelor of Science in Construction Management will be available to ANC online.
- D. Remedial course grades will not be computed in the cumulative GPA for purposes of admission to ASUJ.
- E. Calculation of overall GPA for purposes of graduation and awarding of honors is left to the discretion of ASUJ.
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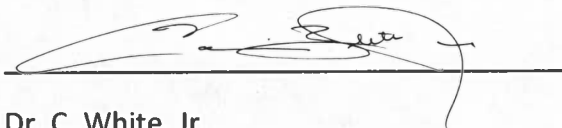
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- A. The Chief Academic Officers at each institution will implement the terms of this Agreement, including incorporation of any mutually agreed upon changes into subsequent revisions of this Agreement, assuring compliance with system policy, procedure and guidelines.
- B. This Agreement will be reviewed on an annual basis. Both ASUJ and ANC agree to notify one another in a timely manner of any curriculum changes that would significantly impact the nature of this Agreement.
- C. ASUJ and ANC will work together cooperatively, in the best interest of affected students, to resolve any issues related to the transfer of courses should changes to either degree program occur while the Agreement is in effect.
- D. Students will be subject to the terms and conditions of this Agreement in accordance with their academic year of entry at ANC. A student may opt for a subsequent revision of this Agreement, but must meet all of the requirements specified therein.
- E. ASUJ and ANC will make every effort to inform students of this Agreement. This may include, but is not limited to, inclusion within each institution's website, published catalog, recruitment

publications, media announcements, social media engagement, and in-person information sessions.

MISCELLANEOUS

- A. This Agreement is effective upon execution and shall remain in effect even if persons, positions, and/or titles change.
- B. This Agreement may be terminated by either party with at least 90 calendar days written notice.
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Dr. C. White, Jr.
Provost & Executive Vice Chancellor
Arkansas State University-Jonesboro

Date: 5-16-25



Dr. Christopher Heigle
President
Arkansas Northeastern College

Date: 2/7/2025

Appendix A

Course equivalencies between Arkansas Northeastern College and Arkansas State University – Jonesboro

ANC Courses

Fall Semester – 17 Credit Hours

PY 13002 Academic and Career Enrichment
EN 12003 Composition I
MA 14043 College Algebra
CS 11033 Computer Applications
AR 2203 Art Appreciation **OR**
MU 22003 Music Appreciation **OR**
TH 22013 Fine Arts Theatre
SO 23013 Intro to Sociology

Spring Semester – 16 Credit Hours

EN 12013 Composition II
MA 24073 Business Calculus
BI 14033/BI 14041 General Biology/Lab
SP 12103 Intro to Communication
HI 13003 World Civ to 1600 **OR**
HI 13013 World Civ since 1600

Fall Semester – 16 Credit Hours

AC 21003 Principles of Accounting I
EC 21003 Macroeconomics
BU 11013 Legal Environment of Business
PS 14003/PS 14011 Physical Science/Lab
OT 21003 Business Communications

Spring Semester – 15 Credit Hours

AC 21013 Principles of Accounting II
PO 23003 American National Government
HI 23003 The U.S. to 1876 **OR**
HI 23013 The U.S. since 1876
EN 22003 World Literature I **OR**
EN 22013 World Literature II
BU 21013 Business Statistics
EC 21013 Microeconomics

Total Degree Credit Hours: 64

ASUJ Courses

UC 1000 University College Elective
ENG 1003 Composition I
MATH 1023 College Algebra
ISBA 1503 Microcomputer Applications
ART 2503 Fine Arts Visual
MUS 2503 Fine Arts Music
THEA 2503 Fine Arts Theatre
SOC 2213 Principles of Sociology

ENG 1013 Composition II
MATH 2194 Survey of Calculus
BIOL 1003/1001 Biological Science/Lab
COMS 1203 Oral Communications
HIST 1013 World Civilization to 1660
HIST 1023 World Civilization Since 1660

ACCT 2033 Intro to Financial Accounting
ECON 2313 Principles of Macroeconomics
LAW 2023 Legal Environment of Business
PHSC 1203/1201 Physical Science/Lab
BCOM 2563 Business Communication

POSC 2103 Intro to U.S. Government
HIST 2763 U.S. History to 1876
HIST 2773 U.S. History Since 1876
ENG 2000 English Elective
GENL 2000 Transfer Credit
ECON 2113 Business Statistics I
ECON 2323 Principles of Microeconomics

ASU-Jonesboro Courses

The following are courses that ANC students must take to complete ASUJ's Bachelor of Science in Construction Management

First Year Making Connections Course

CS 1093 Making Connections Computer Science

General Education Requirements

Sem. Hrs: 35

Students with this major must take the following:

MATH 1023 College Algebra (*or MATH course that requires MATH 1023 prerequisite*)

ECON 2313 Principles of Macroeconomics

ECON 2323 Principles of Microeconomics

COMS 1203 Oral Communication

Major Requirements

ACCT 2033 Introduction to Financial Accounting

CM 3003 Construction Physics

CM 3013 Green Construction

CM 3023 Strategic Bidding and Estimating

CM 3033 Architectural CAD

CM 3043 Structural Blueprints

CM 3053 Building Information Modeling

CM 4003 Construction Management Design I

CM 4013 Construction Management Design II

CM 4023 Materials and Methods for Construction

CM 4063 Construction Management Internship

CS 1114 Concepts of Programming

DATA 2004 Programming for Data Analysis

EGRM 3003 Technical Entrepreneurship

EGRM 3013 Project Management and Practice

EGRM 4023 Engineering Management I

EGRM 4033 Value Engineering Systems

EGRM 4073 Facilities Management Systems

LAW 2023 Legal Environment of Business

MATH 2143 Business Calculus

MGMT 3123 Principles of Management

TECH 3773 Statistics

TECH 3863 Industrial Safety

TECH 4813 Operations Systems Research

TECH 4723 Quality Assurance

Sub-total: 77

Electives

Electives Sem. Hrs: 5

Total Required Hours: 120



MEMORANDUM OF UNDERSTANDING
TRANSFER ARTICULATION
ARKANSAS NORTHEASTERN COLLEGE
AND
ARKANSAS STATE UNIVERSITY-JONESBORO

Associate of Arts
and
Bachelor of Science in Engineering Management Systems

This Memorandum of Understanding ("Agreement"), entered into on ____ of November, 2024, ("Effective Date") by and between Arkansas State University-Jonesboro (hereinafter, "ASUJ"), located at 2105 Aggie Road, Jonesboro, Arkansas 72401, and Arkansas Northeastern College (hereinafter "ANC"), located at 2501 S Division St. Blytheville, AR 72315.

PURPOSE

The purpose of this Agreement is to facilitate the transfer and degree completion of students earning the Associate of Arts at ANC to the Bachelor of Science in Engineering Management Systems. Through collaborative efforts, ASUJ and ANC will provide clarity regarding the degree requirements herein, and afford students the opportunity to earn a high-quality degree from both institutions in the most efficient manner possible.

AGREEMENT It is agreed that any student who has earned the Associate of Arts at ANC will be admitted to the Bachelor of Science in Engineering Management Systems at ASUJ with full junior classification, subject to the provisions listed below.

ADMISSION REQUIREMENTS

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TRANSFER OF CREDITS

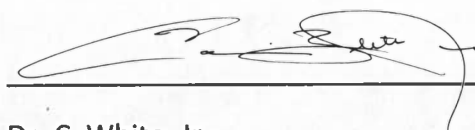
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- C. Current and updated copies of catalogs/curricular requirements for the ASUJ Bachelor of Science in Engineering Management Systems will be available to ANC online.
- D. Remedial course grades will not be computed in the cumulative GPA for purposes of admission to ASUJ.
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IMPLEMENTATION AND REVIEW

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- E. ASUJ and ANC will make every effort to inform students of this Agreement. This may include, but is not limited to, inclusion within each institution's website, published catalog, recruitment publications, media announcements, social media engagement, and in-person information sessions.


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Provost & Executive Vice Chancellor
Arkansas State University-Jonesboro

Date: 5-16-25



Dr. Christopher Heigle
President
Arkansas Northeastern College

Date: 2/3/2025

Appendix A

Course equivalencies between Arkansas Northeastern College and Arkansas State University – Jonesboro

ANC Courses

English Composition & Mathematics

EN 12003 Composition I

EN 12013 Composition II

MA 14043 College Algebra (STEM major) **OR**

MA 14123 Quantitative Reasoning (Non-STEM majors)

Life Sciences (*Choose one*)

BI 14033/BI 14041 General Biology/Lab

BI 14053/BI 14061 Botany/Lab

BI 14073/BI 14081 Zoology/Lab

BI 24003/BI 24011 Anatomy & Phys I/Lab

BI 24023/BI 24031 Anatomy & Phys II/Lab

BI 24043/BI 24051 Microbiology/Lab

Physical Sciences (*Choose one*)

PS 14003/PS 14011 Physical Science/Lab

PS 14043/PS 14051 Physical Geology/Lab

CH 14023/CH 14031 General Chem I/Lab

CH 14043/CH 14051 General Chem II/Lab

PS 24023/PS 24031 General Physics I/Lab

PS 24043/PS 24051 General Physics II/Lab

CH 14133/CH 14141 Chemistry for General Ed/Lab

Fine Arts/Humanities

Appreciative: Choose one.

AR 2203 Art Appreciation

MU 22003 Music Appreciation

TH 22013 Fine Arts Theatre

Integrative: Choose one.

EN 22003 World Literature I

EN 22013 World Literature II

PH 22003 Intro to Philosophy

U.S. History/Government (*Choose one*)

HI 23003 The U.S. to 1876

HI 23013 The U.S. since 1876

PO 23003 American Nat. Gov.

Social Sciences:

World Civilization: Choose one.

HI 13003 World Civ to 1600

HI 13013 World Civ since 1600

Social Science:

Choose two not yet taken:

ASUJ Courses

ENG 1003 Composition I

ENG 1013 Composition II

MATH 1023 College Algebra

MATH 1043 Quantitative Reasoning

BIOL 1003/1001 Biological Science/Lab

BIO 1503/1501 Biology of Plants/Lab

BIO 1303/1301 Biology of Animals/Lab

BIO 2203/2201 Human Anatomy & Physio I/Lab

BIO 2223/2221 Human Anatomy & Physio II/Lab

BIOL 2103/2101 Microbiology for Nursing/Lab

PHSC 1203/1201 Physical Science/Lab

GEOL 1003/1001 Environmental Geology/Lab

CHEM 1013/1011 General Chemistry I/Lab

CHEM 1023/2021 General Chemistry II/Lab

PHYS 2054 General Physics I

PHYS 2064 General Physics II

CHEM 1043/1041 Fundamental Concepts of Chem/Lab

ART 2503 Fine Arts Visual

MUS 2503 Fine Arts Music

THEA 2503 Fine Arts Theatre

ENG 2000 English Elective

GENL 2000 Transfer Credit

PHIL 1103 Introduction to Philosophy

HIST 2763 U.S. History to 1876

HIST 2773 U.S. History Since 1876

POSC 2103 Intro to U.S. Government

HIST 1013 World Civilization to 1600

HIST 1023 World Civilization Since 1600

EC 21003 Macroeconomics
EC 21013 Microeconomics
HI 13003 World Civ to 1600
HI 13013 World Civ since 1600
HI 23003 The U.S. to 1876
HI 23013 The U.S. since 1876
PO 23003 American Nat. Gov.
PY 23003 General Psychology
SO 23013 Intro to Sociology
SO 23043 Social Problems

Institutional Requirements

PY 13002 Academic and Career Enrichment
PE 17112 Fitness for Life
SP 12103 Intro to Communication

Directed Electives (18 hrs.)

Directed elective courses must be from the Arkansas Course Transfer System (ACTS).

ECON 2313 Principles of Macroeconomics
ECON 2323 Principles of Microeconomics
HIST 1013 World Civilization to 1600
HIST 1023 World Civilization Since 1600
HIST 2763 The United States to 1876
HIST 2773 The United States Since 1876
POSC 2103 Intro to U.S. Government
PSY 2013 Introduction to Psychology
SOC 2213 Principles of Sociology
SOC 2223 Social Problems

UC 1000 University College Elective
PE 1002 Concepts of Fitness
COMS 1203 Oral Communications

ASU-Jonesboro Courses

The following are courses that ANC students must take to complete ASUJ's Bachelor of Science in Engineering Management Systems

First Year Making Connections Course

CS 1093 Making Connections Computer Science

General Education Requirements

Sem. Hrs: 35

Students with this major must take the following:

MATH 1023 College Algebra (*or MATH course that requires MATH 1023 prerequisite*)

COMS 1203 Oral Communication

ECON 2313 Principles of Macroeconomics

ECON 2323 Principles of Microeconomics

Major Requirements

ACCT 2033 Introduction to Financial Accounting

ACCT 2133 Introduction to Managerial Accounting

COMS 3363 Communication Research Methods

CS 1114 Concepts of Programming

DATA 2004 Programming for Data Analysis

EGRM 3003 Technical Entrepreneurship

EGRM 3013 Project Management and Practice

EGRM 4003 Engineering Management Design I

EGRM 4013 Engineering Management Design II

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EGRM 4063 Engineering Management Internship

EGRM 4073 Facilities Management Systems

LAW 2023 Legal Environment of Business

MATH 2143 Business Calculus

MGMT 3123 Principles of Management

TECH 3773 Statistics

TECH 3863 Industrial Safety

TECH 4813 Operations Systems Research

TECH 4723 Quality Assurance

Sub-total: 62

Electives

Electives **Sem. Hrs: 20**

Total Required Hours: 120



MEMORANDUM OF UNDERSTANDING
TRANSFER ARTICULATION
ARKANSAS NORTHEASTERN COLLEGE
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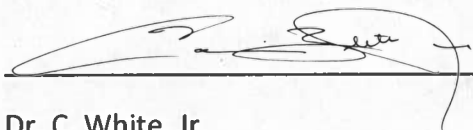
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ANC Courses

English Composition

EN 12003 Composition I
EN 12013 Composition II
SP 12103 Intro to Communication

Mathematics (*Choose one*)

MA 14043 College Algebra (STEM majors) **OR**
MA 14123 Quantitative Reasoning (Non-STEM majors)

Life Sciences (*Choose one*)

BI 14033/BI 14041 General Biology/Lab
BI 14053/BI 14061 Botany/Lab
BI 14073/BI 14081 Zoology/Lab
BI 24003/BI 24011 Anatomy & Phys I/Lab
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Social Science: Choose one:

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PY 23003 General Psychology

SO 23013 Intro to Sociology

AN 23003 Intro to Anthropology

GE 23003 Intro to Geography

PH 22003 Intro to Philosophy

CJ 15003 Intro to Criminal Justice

SO 23043 Social Problems

POSC 2103 Intro to U.S. Government

PSY 2013 Introduction to Psychology

SOC 2213 Principles of Sociology

ANTH 2233 Intro to Cultural Anthropology

GEOG 2613 Introduction to Geography

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SOC 2223 Social Problems

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PE 1002 Concepts of Fitness

Area of Concentration (21-27 hours)

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ECON 2313 Principles of Macroeconomics

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CS 1114 Concepts of Programming

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EGRM 4063 Engineering Management Internship

EGRM 4073 Facilities Management Systems

LAW 2023 Legal Environment of Business

MATH 2143 Business Calculus

MGMT 3123 Principles of Management

TECH 3773 Statistics

TECH 3863 Industrial Safety

TECH 4813 Operations Systems Research

TECH 4723 Quality Assurance

Sub-total: 62

Electives

Electives **Sem. Hrs: 20**

Total Required Hours: 120



MEMORANDUM OF UNDERSTANDING
TRANSFER ARTICULATION
ARKANSAS NORTHEASTERN COLLEGE
AND
ARKANSAS STATE UNIVERSITY-JONESBORO

Associate of General Studies (Math/Science Concentration)
and
Bachelor of Arts in Computer Science

This Memorandum of Understanding ("Agreement"), entered into on ____ of November, 2024, ("Effective Date") by and between Arkansas State University-Jonesboro (hereinafter, "ASUJ"), located at 2105 Aggie Road, Jonesboro, Arkansas 72401, and Arkansas Northeastern College (hereinafter "ANC"), located at 2501 S Division St. Blytheville, AR 72315.

PURPOSE

The purpose of this Agreement is to facilitate the transfer and degree completion of students earning the Associate of General Studies (Math/Science Concentration) at ANC to the Bachelor of Arts in Computer Science. Through collaborative efforts, ASUJ and ANC will provide clarity regarding the degree requirements herein, and afford students the opportunity to earn a high-quality degree from both institutions in the most efficient manner possible.

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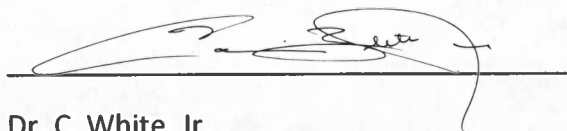
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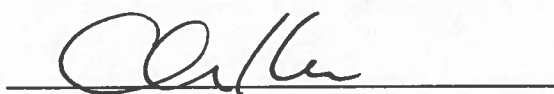
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Provost & Executive Vice Chancellor
Arkansas State University-Jonesboro

Date: 5-16-25



Dr. Christopher Heigle
President
Arkansas Northeastern College

Date: 2/3/2025

Appendix A

Course equivalencies between Arkansas Northeastern College and Arkansas State University – Jonesboro

ANC Courses

English Composition

EN 12003 Composition I
EN 12013 Composition II
SP 12103 Intro to Communication

Mathematics (*Choose one*)

MA 14043 College Algebra (STEM majors) **OR**
MA 14123 Quantitative Reasoning (Non-STEM majors)

Life Sciences (*Choose one*)

BI 14033/BI 14041 General Biology/Lab
BI 14053/BI 14061 Botany/Lab
BI 14073/BI 14081 Zoology/Lab
BI 24003/BI 24011 Anatomy & Phys I/Lab
BI 24023/BI 24031 Anatomy & Phys II/Lab
BI 24043/BI 24051 Microbiology/Lab

Physical Sciences (*Choose one*)

PS 14003/PS 14011 Physical Science/Lab
PS 14043/PS 14051 Physical Geology/Lab
CH 14023/CH 14031 General Chem I/Lab
CH 14043/CH 14051 General Chem II/Lab
CH 14133/CH 14141 Chemistry for General Ed/Lab
PS 24023/PS 24031 General Physics I/Lab
PS 24043/PS 24051 General Physics II/Lab

Humanities (*Choose one*)

AR 2203 Art Appreciation
MU 22003 Music Appreciation
TH 22013 Fine Arts Theatre

Literature (*Choose one*)

EN 22003 World Literature I
EN 22013 World Literature II

Social Sciences

World Civilization: Choose one:

HI 13003 World Civ to 1600
HI 13013 World Civ since 1600

U.S. History (Choose one)

HI 23003 The U.S. to 1876
HI 23013 The U.S. since 1876

ASUJ Courses

ENG 1003 Composition I
ENG 1013 Composition II
COMS 1203 Oral Communications

MATH 1023 College Algebra
MATH 1043 Quantitative Reasoning

BIOL 1003/1001 Biological Science/Lab
BIO 1503/1501 Biology of Plants/Lab
BIO 1303/1301 Biology of Animals/Lab
BIO 2203/2201 Human Anatomy & Physio I/Lab
BIO 2223/2221 Human Anatomy & Physio II/Lab
BIOL 2103/2101 Microbiology for Nursing/Lab

PHSC 1203/1201 Physical Science/Lab
GEOL 1003/1001 Environmental Geology/Lab
CHEM 1013/1011 General Chemistry I/Lab
CHEM 1023/2021 General Chemistry II/Lab
CHEM 1043/1041 Fundamental Concepts of Chem/Lab
PHYS 2054 General Physics I
PHYS 2064 General Physics II

ART 2503 Fine Arts Visual
MUS 2503 Fine Arts Music
THEA 2503 Fine Arts Theatre

ENG 2000 English Elective
GENL 2000 Transfer Credit

HIST 1013 World Civilization to 1660
HIST 1023 World Civilization Since 1660

HIST 2763 U.S. History to 1876
HIST 2773 U.S. History Since 1876

Social Science: Choose one:

PO 23003 American Nat. Gov.

PY 23003 General Psychology

SO 23013 Intro to Sociology

AN 23003 Intro to Anthropology

GE 23003 Intro to Geography

PH 22003 Intro to Philosophy

CJ 15003 Intro to Criminal Justice

SO 23043 Social Problems

POSC 2103 Intro to U.S. Government

PSY 2013 Introduction to Psychology

SOC 2213 Principles of Sociology

ANTH 2233 Intro to Cultural Anthropology

GEOG 2613 Introduction to Geography

PHIL 1103 Introduction to Philosophy

CRIM 1023 Intro to Criminal Justice

SOC 2223 Social Problems

Institutional Requirements

PY 13002 Academic and Career Enrichment

PE 17112 Fitness for Life

UC 1000 University College Elective

PE 1002 Concepts of Fitness

Area of Concentration (21-27 hours)

Mathematics/Science

ASU-Jonesboro Courses

The following are courses that ANC students must take to complete ASUJ's Bachelor of Arts in Computer Science

*Note: Students will need to complete PHIL 1103 (or ANC: PH 22003) because it serves as a prerequisite for PHIL 3723.

First Year Making Connections Course

CS 1093 Making Connections Computer Science

General Education Requirements

Sem. Hrs: 35

Math

PHYS 2034 University Physics **OR**

PHYS 2054 General Physics I (Could be satisfied by ANC: PS 24023/PS 24031)

ECON 2313 Principles of Macroeconomics **OR**

ECON 2333 Economic Issues and Concepts

Major Requirements

CS 1114 Concepts of Programming (Could be satisfied by ANC: CS 21043)

CS 2114 Structured Programming

CS 2124 OOP and Fundamental Data Structures

CS 3113 Algorithms and Advanced Data Structures

CS 3233 Operating Systems

CS 4113 Software Engineering

CS 4143 Java Application Development

CS 4313 Computer Networks

CS 4543 Technical Writing (Could be satisfied by ANC: EN 12023)

MATH 2183 Discrete Structures

MATH 2204 Calculus I **OR** (Could be satisfied by ANC: MA 24015)

MATH 2143 Business Calculus **OR** (Could be satisfied by ANC: MA 24073)

MATH 2194 Survey of Calculus

PHIL 3723 Computers, Ethics, and Society

STAT 3233 Applied Statistics I

Upper-level Computer Science Electives **Sem. Hrs: 12** *MATH 4533 may be used to satisfy this requirement*

Business Track

(Select all of the courses in one of the following tracks)

Electronic Commerce Track

ISBA 3353 Mobile Application Development for Business (Could be satisfied by ANC: CS 22003)

ISBA 4453 E-Commerce Business Strategies (Could be satisfied by ANC: CS 21463)

MKTG 3013 Marketing

GCOM 3673 Desktop Publishing and Publication Design

Information Technology Track

ISBA 2523 Telecommunications and Networking Essentials (Could be satisfied by ANC: CS 21334)

ISBA 4453 E-Commerce Business Strategies (Could be satisfied by ANC: CS 21463)

ISBA 4653 IoT and Blockchain Business Strategies

ISBA 4853 Project Management

General Business Track

ACCT 2023 Fundamental Accounting Concepts

FINE 3713 Business Finance
LAW 2023 Legal Environment of Business
MGMT 3153 Organizational Behavior
MKTG Marketing

Subtotal: 69-73

Electives: Sm. Hrs. 9-13

Total Required Hours: 120



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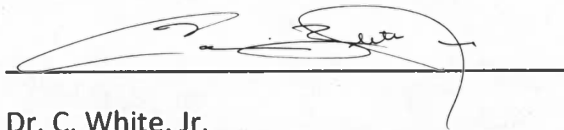
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EN 22013 World Literature II

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HI 23013 The U.S. since 1876

HIST 2773 U.S. History Since 1876

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Area of Concentration (21-27 hours)

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General Education Requirements

Sem. Hrs: 35

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PHYS 2034 University Physics **OR**

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Major Requirements

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CS 2114 Structured Programming

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CS 3113 Algorithms and Advanced Data Structures

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CS 4543 Database Systems

CS 4713 Analysis of Algorithms

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MATH 2183 Discrete Structures

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MATH 3243 Linear Algebra

PHIL 3723 Computers, Ethics, and Society

PHYS 2044 University Physics II

STAT 3233 Applied Statistics I

Upper-level Computer Science Electives **Sem. Hrs: 12** *MATH 4533 may be used to satisfy this requirement*

Subtotal: 75

Electives: Sm. Hrs. 6

Total Required Hours: 120



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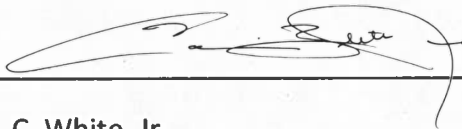
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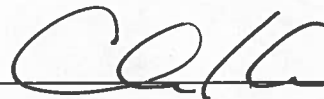
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CS 1093 Making Connections Computer Science **OR**

MATH 1093 Making Connections Mathematics **OR**

First Year Making Connections course aligned to Domain Study option

General Education Requirements

Sem. Hrs: 35

Major Requirements (Program Core):

GIS 3503 Geospatial Data Applications

CS 1114 Concepts of Programming (Could be satisfied by ANC: CS 21043)

DATA 2004 Programming for Data Analysis

DATA 3003 Applied Database and Data Mining

DATA 3011 Data Science and Analytics Seminar

DATA 3023 Data Visualization and Data Communication (Could be satisfied by ANC: CS 22043)

DATA 303V Internship for Data Science and Data Analytics

DATA 4003 Fundamental Concepts in Design of Experiments

DATA 4013 Data Science and Data Analytics Capstone

PHIL 3723 Computers, Ethics, and Society

STAT 3133 Applied Categorical Data Analysis

STAT 3233 Applied Statistics I

STAT 3243 Regression Analysis and Analysis of Variance (ANOVA)

Sub-total: 37

Emphasis Area (Data Analytics)

GIS 3543 Fundamentals of GIS/GPS

CS 1013 Introduction to Computers (Could be satisfied by ANC: CS 11033)

MATH 2143 Business Calculus **OR** (Could be satisfied by ANC: MA 24073)

MATH 2194 Survey of Calculus **OR**

MATH 2204 Calculus I (Could be satisfied by ANC: MA 24015)

AGEC 4253 Agricultural and Environmental Data Science **OR**

POSC 3003 Introduction to Political Analysis **OR**

STAT 4483 Statistical Methods using R **OR**

Coordinator approved upper level 3 semester credit hour course

Sub-total: 12-13

Domain Studies (Data Analytics Emphasis)

Domain Studies of 32 or 34 hours of which seven hours must be upper level (see Domains in Data Science and Data Analytics for further information). Additional elective hours may be required dependent on chosen domain.

Sem. Hrs: 32-34

Total Required Hours: 120



MEMORANDUM OF UNDERSTANDING
TRANSFER ARTICULATION
ARKANSAS NORTHEASTERN COLLEGE
AND
ARKANSAS STATE UNIVERSITY-JONESBORO

Associate of General Studies (Math/Science Concentration)
and
Bachelor of Science in Data Science and Data Analytics, Emphasis in Data Science

This Memorandum of Understanding ("Agreement"), entered into on ____ of November, 2024, ("Effective Date") by and between Arkansas State University-Jonesboro (hereinafter, "ASUJ"), located at 2105 Aggie Road, Jonesboro, Arkansas 72401, and Arkansas Northeastern College (hereinafter "ANC"), located at 2501 S Division St. Blytheville, AR 72315.

PURPOSE

The purpose of this Agreement is to facilitate the transfer and degree completion of students earning the Associate of General Studies (Math/Science Concentration) at ANC to the Bachelor of Science in Data Science and Data Analytics, Emphasis in Data Science. Through collaborative efforts, ASUJ and ANC will provide clarity regarding the degree requirements herein, and afford students the opportunity to earn a high-quality degree from both institutions in the most efficient manner possible.

AGREEMENT It is agreed that any student who has earned the Associate of General Studies (Math/Science Concentration) at ANC will be admitted to the Bachelor of Science in Data Science and

Data Analytics, Emphasis in Data Science at ASUJ with full junior classification, subject to the provisions listed below.

ADMISSION REQUIREMENTS

- A. The student must complete the requirements necessary for general admission to ASUJ as well as specific admission to the ASUJ Bachelor of Science in Data Science and Data Analytics, Emphasis in Data Science program.
- B. The student will have earned the Associate of General Studies (Math/Science Concentration) at ANC.
- C. Degree program admission requirements for students who transfer pursuant to this Agreement will be determined in the same manner as if their initial enrollment had been at ASUJ.

TRANSFER OF CREDITS

- A. Course requirements for this Agreement are displayed on the following attachments (see Appendix A).
- B. A transfer student who has not completed all of the courses specified within the Associate of General Studies (Math/Science Concentration) degree plan at ANC, before entering ASUJ, must work with an academic advisor to ensure timely completion of degree program requirements.
- C. Current and updated copies of catalogs/curricular requirements for the ASUJ Bachelor of Science in Data Science and Data Analytics, Emphasis in Data Science will be available to ANC online.
- D. Remedial course grades will not be computed in the cumulative GPA for purposes of admission to ASUJ.
- E. Calculation of overall GPA for purposes of graduation and awarding of honors is left to the discretion of ASUJ.
- F. ASUJ will accept grades of "D" for transfer purposes unless a grade of "C or better" is specified for specific courses in this agreement.

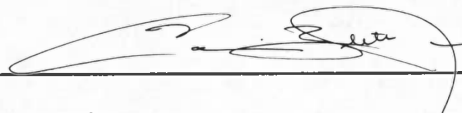
IMPLEMENTATION AND REVIEW

- A. The Chief Academic Officers at each institution will implement the terms of this Agreement, including incorporation of any mutually agreed upon changes into subsequent revisions of this Agreement, assuring compliance with system policy, procedure and guidelines.
- B. This Agreement will be reviewed on an annual basis. Both ASUJ and ANC agree to notify one another in a timely manner of any curriculum changes that would significantly impact the nature of this Agreement.
- C. ASUJ and ANC will work together cooperatively, in the best interest of affected students, to resolve any issues related to the transfer of courses should changes to either degree program occur while the Agreement is in effect.
- D. Students will be subject to the terms and conditions of this Agreement in accordance with their academic year of entry at ANC. A student may opt for a subsequent revision of this Agreement, but must meet all of the requirements specified therein.

- E. ASUJ and ANC will make every effort to inform students of this Agreement. This may include, but is not limited to, inclusion within each institution's website, published catalog, recruitment publications, media announcements, social media engagement, and in-person information sessions.

MISCELLANEOUS

- A. This Agreement is effective upon execution and shall remain in effect even if persons, positions, and/or titles change.
- B. This Agreement may be terminated by either party with at least 90 calendar days written notice.
- C. In the event that the Agreement is terminated, no new students will be admitted to the program; however, all students who have already been admitted to ASUJ, in accordance with the terms of this Agreement, will be allowed to complete their approved course of study under the terms contained therein.
- D. This agreement shall become effective at the time that the Arkansas Department of Higher Education has been notified and approval has been granted.



Dr. C. White, Jr.
Provost & Executive Vice Chancellor
Arkansas State University-Jonesboro

Date: 5-16-25



Dr. Christopher Heigle
President
Arkansas Northeastern College

Date: 2/3/2025

Appendix A

Course equivalencies between Arkansas Northeastern College and Arkansas State University – Jonesboro

ANC Courses

English Composition

EN 12003 Composition I
EN 12013 Composition II
SP 12103 Intro to Communication

Mathematics (*Choose one*)

MA 14043 College Algebra (STEM majors) **OR**
MA 14123 Quantitative Reasoning (Non-STEM majors)

Life Sciences (*Choose one*)

BI 14033/BI 14041 General Biology/Lab
BI 14053/BI 14061 Botany/Lab
BI 14073/BI 14081 Zoology/Lab
BI 24003/BI 24011 Anatomy & Phys I/Lab
BI 24023/BI 24031 Anatomy & Phys II/Lab
BI 24043/BI 24051 Microbiology/Lab

Physical Sciences (*Choose one*)

PS 14003/PS 14011 Physical Science/Lab
PS 14043/PS 14051 Physical Geology/Lab
CH 14023/CH 14031 General Chem I/Lab
CH 14043/CH 14051 General Chem II/Lab
CH 14133/CH 14141 Chemistry for General Ed/Lab
PS 24023/PS 24031 General Physics I/Lab
PS 24043/PS 24051 General Physics II/Lab

Humanities (*Choose one*)

AR 2203 Art Appreciation
MU 22003 Music Appreciation
TH 22013 Fine Arts Theatre

Literature (*Choose one*)

EN 22003 World Literature I
EN 22013 World Literature II

Social Sciences

World Civilization: Choose one:

HI 13003 World Civ to 1600
HI 13013 World Civ since 1600

U.S. History (Choose one)

HI 23003 The U.S. to 1876
HI 23013 The U.S. since 1876

ASUJ Courses

ENG 1003 Composition I
ENG 1013 Composition II
COMS 1203 Oral Communications

MATH 1023 College Algebra
MATH 1043 Quantitative Reasoning

BIOL 1003/1001 Biological Science/Lab
BIO 1503/1501 Biology of Plants/Lab
BIO 1303/1301 Biology of Animals/Lab
BIO 2203/2201 Human Anatomy & Physio I/Lab
BIO 2223/2221 Human Anatomy & Physio II/Lab
BIOL 2103/2101 Microbiology for Nursing/Lab

PHSC 1203/1201 Physical Science/Lab
GEOL 1003/1001 Environmental Geology/Lab
CHEM 1013/1011 General Chemistry I/Lab
CHEM 1023/2021 General Chemistry II/Lab
CHEM 1043/1041 Fundamental Concepts of Chem/Lab
PHYS 2054 General Physics I
PHYS 2064 General Physics II

ART 2503 Fine Arts Visual
MUS 2503 Fine Arts Music
THEA 2503 Fine Arts Theatre

ENG 2000 English Elective
GENL 2000 Transfer Credit

HIST 1013 World Civilization to 1660
HIST 1023 World Civilization Since 1660

HIST 2763 U.S. History to 1876
HIST 2773 U.S. History Since 1876

Social Science: Choose one:

PO 23003 American Nat. Gov.

PY 23003 General Psychology

SO 23013 Intro to Sociology

AN 23003 Intro to Anthropology

GE 23003 Intro to Geography

PH 22003 Intro to Philosophy

CJ 15003 Intro to Criminal Justice

SO 23043 Social Problems

POSC 2103 Intro to U.S. Government

PSY 2013 Introduction to Psychology

SOC 2213 Principles of Sociology

ANTH 2233 Intro to Cultural Anthropology

GEOG 2613 Introduction to Geography

PHIL 1103 Introduction to Philosophy

CRIM 1023 Intro to Criminal Justice

SOC 2223 Social Problems

Institutional Requirements

PY 13002 Academic and Career Enrichment

PE 17112 Fitness for Life

UC 1000 University College Elective

PE 1002 Concepts of Fitness

Area of Concentration (21-27 hours)

Mathematics/Science

ASU-Jonesboro Courses

The following are courses that ANC students must take to complete ASUJ's Bachelor of Science in Data Science and Data Analytics, Emphasis in Data Science

First Year Making Connections Course

CS 1093 Making Connections Computer Science **OR**

MATH 1093 Making Connections Mathematics **OR**

First Year Making Connections course aligned to Domain Study option

General Education Requirements

Sem. Hrs: 35

Major Requirements (Program Core):

GIS 3503 Geospatial Data Applications

CS 1114 Concepts of Programming (Could be satisfied by ANC: CS 21043)

DATA 2004 Programming for Data Analysis

DATA 3003 Applied Database and Data Mining

DATA 3011 Data Science and Analytics Seminar

DATA 3023 Data Visualization and Data Communication (Could be satisfied by ANC: CS 22043)

DATA 303V Internship for Data Science and Data Analytics

DATA 4003 Fundamental Concepts in Design of Experiments

DATA 4013 Data Science and Data Analytics Capstone

PHIL 3723 Computers, Ethics, and Society

STAT 3133 Applied Categorical Data Analysis

STAT 3233 Applied Statistics I

STAT 3243 Regression Analysis and Analysis of Variance (ANOVA)

Sub-total: 37

Emphasis Area (Data Science)

CS 4623 Fundamentals of Data Science

CSED 4231 Principles of Operating Systems

CSED 4241 Principles of Computer Organization

CSED 4731 Principles of Abstract Structures

MATH 1054 Precalculus Mathematics (Could be satisfied by ANC: MA 14065)

MATH 2183 Discrete Structures

MATH 2204 Calculus I (Could be satisfied by ANC: MA 24015)

MATH 2214 Calculus II (Could be satisfied by ANC: MA 24025)

MATH 3243 Linear Algebra

Sub-total: 24

Domain Studies (Data Science Emphasis)

Domain Studies of 21 or 22 hours of which seven hours must be upper level (see Domains in Data Science and Data Analytics for further information). Additional elective hours may be required dependent on chosen domain.

Sem. Hrs: 21-22

Total Required Hours: 120