PROGRAM TO PROGRAM ARTICULATION AGREEMENT
between
NEW MEXICO MILITARY INSTITUTE
and
DAKOTA STATE UNIVERSITY

with respect to applying the
Associate in Science Degree Program (A.S.)
concentration in Computer Science
towards the
Bachelor of Science Degree Program (B.S.)
in Artificial Intelligence, Computer Science, Computer Information Systems, Cyber Operations, Network and Security Administration, Artificial Intelligence in Organizations, or Cyber Leadership Intelligence

or with respect to applying the

Associate in Arts Degree Program (A.A.)
concentration in Business Administration
towards the
Bachelor of Business Administration Degree (BBA)
or **Bachelor of Science Degree Program (B.S.)**
in Computer Information Systems or Artificial Intelligence in Organizations
or
Associate in Arts Degree Program (A.A.)
concentration in Criminal Justice or Political Science
towards the
Bachelor of Science Degree Program (B.S.)
in Cyber Leadership Intelligence

I. Parties

The parties to this agreement are New Mexico Military Institute (NMMI) and Dakota State University (DSU).

II. Purpose

The purpose of this agreement is to:

A. Have a signed articulation agreement that addresses the varying needs of students and the complementary nature of the institutions' programs.
B. Extend educational opportunities, clarify course equivalencies, and reduce duplication of coursework.
C. Provide NMMI students who have completed the Associate of Science degree with a transfer pathway to earn a Bachelor of Science or Bachelor of Business Administration degree.
D. Provide NMMI students who have taken the equivalent NMMI courses indicated in the corresponding Course and Program Mapping Attachments to transfer in fulfillment of the equivalent DSU course.

III. Academic Program

A. Upon successful completion of equivalent courses indicated in the Course and Program Mapping Attachments, DSU aligns 60 credits from the NMMI A.S. to DSU B.S. or BBA requirements as a degree major, elective, or general education credit.
   1. Additional earned credits may be transferred upon DSU review and approval.
   2. When an NMMI course carries more credit hours than the DSU equivalent (e.g., a 4-credit NMMI course aligned to a 3-credit DSU course), DSU will apply the 3-credit portion toward the required DSU course and the additional credit hour(s) toward general elective credit. This ensures NMMI students do not lose earned credit when transferring.
   3. Completion of the NMMI A.S. or A.A. degree will be recognized by DSU as satisfying the System-Wide General Education Requirements (SDBoR 2.3). Additional general education-level coursework completed at NMMI will be applied as general elective credit beyond the completed block.
   4. Military Science and Leadership credits (2–12 credits depending on pathway) earned as part of the NMMI A.A. degree will be accepted by DSU as general elective credit applicable toward the 120-credit bachelor's degree requirement, unless restricted by a specific DSU program or accreditation requirement.

B. Requirements to be completed at DSU to earn a Bachelor of Science or Bachelor of Business Administration Degree are indicated in the Remaining Requirements Attachments per program Board of Regents policies, university graduation requirements, and degree residency requirements must be met, including the following (see BOR Policy 2.6.1).
   1. A bachelor's degree requires 120 total credits.
   2. A minimum of 30 credit hours must be earned at DSU.
   3. A minimum of 15 of the last 30 credit hours must be earned at DSU.
   4. This agreement can waive the residency requirement for the minimum number of Credits (50 percent) specified in the major requirements that must be completed at the degree-granting institution.

IV. Obligations

Both parties agree to confer with each other on a yearly basis regarding any changes in curricula involved in this articulation agreement.

The annual articulation review will include, at minimum, the DSU Registrar (or designee), DSU Academic Affairs (or designee), the NMMI Registrar, and the NMMI Dean of Academics (or designee).

The annual review will address curriculum or catalog changes, course renumbering, prerequisite changes, Board of Regents revisions, accreditation-driven changes, and alignment of course outcomes. Agreed-upon modifications will be jointly communicated to advising and catalog offices at both institutions.

V. Modification

This agreement may be modified from time to time by the South Dakota Board of Regents, Dakota State University, and New Mexico Military Institute. Modifications may not diminish the entitlements granted

to students who have already attended classes delivered under the terms of earlier versions of the agreement, except in rare instances where retroactive implementation of modifications is required to comply with accreditation standards or to conform to professional licensure requirements.

Students who begin under the terms of a specific published version of this articulation agreement will retain those transfer protections and mappings for a minimum of three academic years following completion of the NMMI degree, unless accreditation or licensure requirements mandate earlier adjustment.

VI. Effective Date of Agreement

This agreement is effective upon SDBoR approval and remains valid until modified or terminated by either party. This agreement applies to students who graduated from NMMI in 2025 and subsequent years.

VII. Acceptance of Agreement

Dakota State University and New Mexico Military Institute have executed this Agreement on the dates indicated below.

DAKOTA STATE UNIVERSITY

DocuSigned by:
Rebecca A Hoey
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Rebecca Hoey, Ed.D.
Provost and Senior VP for Student & Academic Affairs

Date: 04/14/2026

NEW MEXICO MILITARY INSTITUTE

Voris W. McBurnette

Brigadier General (Ret.) Voris McBurnette, Ed.D.
President and Superintendent, New Mexico Military Institute

Date: 01/28/2026

Attachments

- Attachment A. NMMI A.S. and A.A. with Concentrations Requirements
- Attachment B. General Education – NMMI → DSU Course Mapping
- Attachment C. B.S. in Artificial Intelligence (BSAI) – NMMI → DSU Course Mapping
- Attachment D. B.S. in Artificial Intelligence (BSAI) – Remaining DSU Credits for Completion
- Attachment E. B.S. in Computer Science (BSCS) – NMMI → DSU Course Mapping
- Attachment F. B.S. in Computer Science (BSCS) – Remaining DSU Credits for Completion
- Attachment G. B.S. in Cyber Operations (BSCO) – NMMI → DSU Course Mapping
- Attachment H. B.S. in Cyber Operations (BSCO) – Remaining DSU Credits for Completion
- Attachment I. B.S. in Network and Security Administration (NetSec) – NMMI → DSU Course Mapping
- Attachment J. B.S. in Network and Security Administration (NetSec) – Remaining DSU Credits for Completion
- Attachment K. Bachelor of Business Administration (BBA) – NMMI → DSU Course Mapping
- Attachment L. Bachelor of Business Administration (BBA) – Remaining DSU Credits for Completion
- Attachment M. B.S. in Computer Information Systems (BSCIS) – NMMI → DSU Course Mapping
- Attachment N. B.S. in Computer Information Systems (BSCIS) – Remaining DSU Credits for Completion
- Attachment O. B.S. in Artificial Intelligence in Organizations (BSAIO) – NMMI → DSU Course Mapping
- Attachment P. B.S. in Artificial Intelligence in Organizations (BSAIO) – Remaining DSU Credits for Completion
- Attachment Q. B.S. in Cyber Leadership and Intelligence (BSCLI) – NMMI A.A. Criminal Justice or A.A. Political Science → DSU Course Mapping
- Attachment R. B.S. in Cyber Leadership and Intelligence (BSCLI) – NMMI A.S. Computer Science → DSU Course Mapping
- Attachment S. B.S. in Cyber Leadership and Intelligence (BSCLI) – Remaining DSU Credits for Completion

Attachment A. NMMI Associate of Science with Computer Science Concentration

NEW MEXICO MILITARY INSTITUTE

NMMI Associate in Science (A.S.) with Concentrations

Junior College Graduation Requirements (A.S.)

- 60 total credits minimum.
- Residency: 24+ NMMI Credits and two semesters in residence.
- 2.0 minimum NMMI GPA.
- Credit limits: up to 4 Credits PHEA (Physical Education) and up to 8 credits Music apply; any excess does not count toward 60 or GPA.
- Assessment test required in final semester.
- Concentrations are optional and may double-count where approved; otherwise, they are in addition to A.S. core.

A.S. Core Curriculum Overview

Area	Credits	What Satisfies the Requirement (examples)
Communications	9	ENGL 1110 (Comp I, min C), plus one additional ENGL (1120 or 2210 preferred) and one COMM (e.g., 1130 Public Speaking).
History	3	Any HIST except American Military History (e.g., 1110/1120/1130/1140).
Humanities / Modern Language	6	Two courses (e.g., PHIL 1115, ENGL 2610, or first-year SPAN/CHIN/FREN).
Laboratory Science	12	Three labs; two must be a sequence (e.g., PHYS 1310→1320) + a third lab (e.g., BIOL 1110).
Mathematics	6	Two math courses MATH 1150+ (e.g., 1220 Algebra, 1350 Statistics, 1510 Calculus I).
Social & Behavioral Sciences	3	One non-history social science (e.g., PSYC 1110, ECON 2120, POLS 1120).
Creative & Fine Arts	3	One fine arts course (e.g., FDMA 1260, MUSC 1130, ARTH 2110).
Military Science/Leadership	2-12	
TOTAL CORE CREDITS	44	

Computer Science Concentration:

Prefix	**Course Number**	**Course Description**	**Credits**
CSCI	1220	Computer Programming Fundamentals	4.0
CSCI	2210	Object-Oriented Programming	4.0
CSCI	2220	Intro to Data Structures and Algorithms	4.0
CSCI	2310	Discrete Mathematics for Computer Science	3.0
Recommended course:			
BCIS	1110	Fundamentals of Information Literacy & Systems	3.0
		TOTAL CONCENTRATION CREDITS	18

NMMI Associate in Arts (A.A.) with Concentrations

Junior College Graduation Requirements (A.A.)

- 60 total Credits minimum.
- Residency: 24+ NMMI Credits and two semesters in residence.
- 2.0 minimum NMMI GPA.
- Credit limits: up to 4 Credits PHEA (Physical Education) and up to 8 Credits Music apply; any excess does not count toward 60 or GPA.
- Assessment test required in final semester.
- Concentrations are optional and may double-count where approved; otherwise, they are in addition to A.A. core.

A.A. Core Curriculum Overview

Area	Credits	What Satisfies the Requirement (examples)
Communications	9	ENGL 1110 (Comp I, min C), plus one additional ENGL (1120 or 2210 preferred) and one COMM (e.g., 1130 Public Speaking).
History	6	Any two HIST except American Military History (e.g., 1110/1120/1130/1140).
Humanities / Modern Language	6	Two courses (e.g., PHIL 1115, ENGL 2610, or first-year SPAN/CHIN/FREN).
Laboratory Science	8	Any two laboratory science courses.
Mathematics	3	Any Mathematics course including or above MATH 1130. College Algebra (MATH 1220) is the standard college course (e.g., 1220 Algebra, 1350 Statistics, 1510 Calculus I).
Social & Behavioral Sciences	6	One non-history social science (e.g., PSYC 1110, ECON 2120, POLS 1120).
Creative & Fine Arts	3	One fine arts course (e.g., FDMA 1260, MUSC 1130, ARTH 2110).
Military Science/Leadership	2-12	
TOTAL CORE CREDITS	43	

Business Administration Concentration:

Prefix	**Course Number**	**Course Description**	**Credits**
ACCT	2110	Principles of Accounting I	4.0
ACCT	2120	Principles of Accounting II	4.0
ECON	2110	Macroeconomic Principles	3.0
ECON	2120	Microeconomic Principles	3.0
Recommended courses (Choose one):			
BCIS	1110	Fundamentals of Information Literacy & Systems	3.0
BUSA	1110	Introduction to Business	3.0
BUSA	2460	Business Ethics	3.0
MGMT	2110	Principles of Management	3.0
MKTG	2110	Principles of Marketing	3.0
		TOTAL CONCENTRATION CREDITS	17

Criminal Justice Concentration:

Prefix	Course Number	Course Description	Credits
CJUS	1110	Introduction to Criminal Justice	3.0
CJUS	1120	Criminal Law	3.0
CJUS	1170	Introduction to Criminology	3.0
CRIJ	2613	Constitutional Law	3.0
Recommended courses (Choose one):			
CJUS	2150	Corrections Systems	3.0
CJUS	2220	The American Law Enforcement System	3.0
		TOTAL CONCENTRATION CREDITS	15

Political Science Concentration:

Prefix	Course Number	Course Description	Credits
POLS	1110	Introduction to Political Science	3.0
POLS	1120	American National Government	3.0
POLS	2110	Comparative Politics	3.0
POLS	2120	International Relations	3.0
Recommended courses (Choose one):			
ECON	2150	Macroeconomics Principles	3.0
ECON	2220	Microeconomic Principles	3.0
SOCI	1110	Introduction to Sociology	3.0
HIST	1110	United States History I	3.0
HIST	1120	United States History II	3.0
HIST	1140	World History II	3.0
		TOTAL CONCENTRATION CREDITS	15

Attachment B. General Education – NMMI A.S. → DSU Course Mapping

DSU Prefix/Number	DSU Course Title	DSU Credits	NMMI Course Number	NMMI Course Title	NMMI Credits
Communications Goal (1 & 2)		9 cr. total	Communications Goal		9 cr. total
ENGL 101	Composition I	3	ENGL 1110	Composition I	3
ENGL 201	Composition II	3	ENGL 1120	Composition II	3
CMST 101, 215, 222	Fundamentals of Speech	3	COMM 1115 or 1130	Introduction to Communication or Public Speaking	3
Social Sciences Goal 3 (two different disciplines)		6 cr. total	History Goal and Social & Behavioral Science Goal		6 cr. total
HIST *(US),* CIV, POLS, ANTH, PSYC, SOC, ECON, GEOG	Social Science Choice #1 *Must be different prefix from Choice #2*	3	ECON or PSYC or SOCI or CJUS or HIS	Any required apply (except American Military History)	3
CIV, POLS	Social Science Choice #2 (CIV or POLS)	3	POLS (CJUS, POLS, PSYC or SOCI)	Recommended for Civics requirement: POLS 1120	3
Arts & Humanities Goal 4 (two different disciplines)		6 cr. total	Humanities / Modern Language Goal and Creative & Fine Arts Goal		9 cr. total
ART, ARTH, CHIN, ENGL (Literature), HIST (Civilizations), MUS, PHIL, RUSS, SPAN, THEA	Arts and Humanities Choice #1 *Must be a different prefix from Choice #2*	3	CHIN or FREN or SPAN or ENGL or PHIL	Any required apply	3
	Arts and Humanities Choice #2	3	ARTH or ARTS or FDMA or ENGL or MUSC	Any required apply	3
	Elective Credit	3	ARTH or ARTS or FDMA or ENGL or MUSC	Any required apply	3
Mathematics Goal 5		3 cr. total	Mathematics Goal		6 cr. Total
MATH 114	College Algebra	3	MATH 1220	College Algebra *(suggested)* Any required apply	3
Natural Sciences Goal 6		6 cr. total	Laboratory Science Goal		12 cr. total
BIOL, CHEM, GEOF, PHYS	Natural Science Choice #1 and #2	6	Any two BIOL, CHEM, GEOL, PHYS		12
	GenEd Credits	**30**	**GenEd Credits accepted** *(Any additional GenEd level courses apply as general electives)*		**42**

General Education – NMMI A.A. → DSU Course Mapping

DSU Prefix/Number	DSU Course Title	DSU Credits	NMMI Course Number	NMMI Course Title	NMMI Credits
Communications Goal (1 & 2)		9 cr. total	Communications Goal		9 cr. total
ENGL 101	Composition I	3	ENGL 1110	Composition I	3
ENGL 201	Composition II	3	ENGL 1120	Composition II	3
CMST 101, 215 or 222	Fundamentals of Speech	3	COMM 1115 or 1130	Introduction to Communication or Public Speaking	3
Social Sciences Goal 3 (two different disciplines)		6 cr. total	History Goal and Social & Behavioral Science Goal		12 cr. total
HIST *(US),* CIV, POLS, ANTH, PSYC, SOC, ECON, GEOG	Social Science Choice #1 *Must be different prefix from Choice #2*	3	ECON or PSYC or SOCI or CJUS or HIS	Any required apply (except American Military History)	3
CIV, POLS	Social Science Choice #2 (CIV or POLS)	3	POLS (CJUS POLS, PSYC, SOCI)	Recommended for Civics requirement: POLS 1120	3
Arts & Humanities Goal 4 (two different disciplines)		6 cr. total	Humanities Goal or Modern Language and Creative & Fine Arts Goal		9 cr. total
ART, ARTH, CHIN, ENGL (Literature), HIST (Civilizations), MUS, PHIL, RUSS, SPAN, THEA	Arts and Humanities Choice #1 *Must be a different prefix from Choice #2*	3	CHIN or FREN or SPAN or ENGL or PHIL	Any required apply	3
	Arts and Humanities Choice #2	3	ARTH or ARTS or FDMA or ENGL or MUSC	Any required apply	3
	Elective Credit	3	ARTH, ARTS, DRAM, ENGL, FDMA, MUSC,	Any required apply	3
Mathematics Goal 5		3 cr. total	Mathematics Goal		3 cr. total
MATH 114	College Algebra	3	MATH 1220	College Algebra *(suggested)* Any required apply	3
Natural Sciences Goal 6		6 cr. total	Laboratory Science Goal		8 cr. total
BIOL, CHEM, GEOF, PHYS	Natural Science Choice #1 and #2	6	Any two BIOL, CHEM, GEOL, PHYS		8
	GenEd Credits	**30**		**GenEd Credits accepted** *Any additional Gen. Ed level courses apply as general electives)*	**41**

Attachment C. DSU B.S. in Artificial Intelligence (BSAI) – NMMI A.S. Computer Science concentration → Course Mapping

DSU Prefix/Number	DSU Course Title	DSU Credits	NMMI Course Number	NMMI Course Title	NMMI Credits
Required Program Courses (48 Credits)					
CIS 368	Predictive Analytics	3			
CIS 372	Programming for Analytics	3			
CSC 105	Introduction to Computers	3	BCIS 1110	Fundamentals of Information Literacy & Systems (if taken)	3
CSC 134	Introduction to Cyber	3			
CSC 150	Computer Science I	3	CSCI 1220	Computer Programming Fundamentals	4
CSC 230	Tech Foundations: Ethics	1			
CSC 232	Tech Foundations: Scripting	1			
CSC 233	Tech Foundations: Secure AI Lifecycles	1			
CSC 247	Introduction to Artificial Intelligence	3			
CSC 250	Computer Science II	3	CSCI 2220	Intro to Data Structures and Algorithms	4
CSC 300	Data Structures	3			
CSC 382	Adversarial AI and Security	3			
CSC 386	Applications of Deep Learning	3			
CSC 402	Mathematical Foundations of AI	3			
CSC 447	Artificial Intelligence	3			
CSC 478	AI Tools and Frameworks	3			
CSC 479	Applied Artificial Intelligence	3			
CSC 482	Algorithms and Optimization	3			
	Required Program Courses Credits	48		Required Program Courses Credits accepted	8-11
Support Courses (16 Credits)					
MATH 123	Calculus I	4	MATH 1510	Calculus I (if taken)	4
MATH 201	Introduction to Discrete Mathematics	3	CSCI 2310	Discrete Mathematics for Computer Science	3
Choose one course: MATH 281 or 381		3			

MATH 281	Intro to Statistics		MATH 1350	Introduction to Statistics (if taken)	3
MATH 381	Probability & Statistics				
MATH 315	Linear Algebra	3			
MATH 316	Discrete Mathematics	3			
	Support Courses Credits	16		Support Courses Credits accepted	3-10
Minor Requirement (18 Credits)					
MINOR	Any Non-AI/ML Minor or 2nd Major	18		Minor Requirements Credits accepted	0
Electives (8 Credits)					
CSC 260	Object Oriented Design	3	CSCI 2210	Object Oriented Programming	4
	Elective	5		Any unmapped credits	
	Elective Credits	8	*(Additional credits not mapped apply toward electives)*		8
TOTALS (*Includes General Education*)					
	Total DSU Credits	120		**Total NMMI Credits accepted**	***60**

**Additional earned credits may be transferred upon DSU review and approval.*

Attachment D. B.S. in Artificial Intelligence (BSAI) – NMMI A.S. Computer Science concentration Remaining DSU Credits for Completion

DSU Prefix/Number	DSU Course Title	DSU Credits
System-Wide General Education Requirement (30 Credits)		
	GenEd Credits Remaining	0
Required Program Courses (48 Credits)		
CIS 368	Predictive Analytics	3
CIS 372	Programming for Analytics	3
CSC 105	Introduction to Computers (If not taken)	3
CSC 134	Introduction to Cyber	3
CSC 230	Tech Foundations: Ethics	1
CSC 232	Tech Foundations: Scripting	1
CSC 233	Tech Foundations: Secure AI Lifecycles	1
CSC 247	Introduction to Artificial Intelligence	3
CSC 300	Data Structures	3
CSC 382	Adversarial AI and Security	3
CSC 386	Applications of Deep Learning	3
CSC 402	Mathematical Foundations of AI	3
CSC 447	Artificial Intelligence	3
CSC 478	AI Tools and Frameworks	3
CSC 479	Applied Artificial Intelligence	3
CSC 482	Algorithms and Optimization	3
	Required Program Courses Credits Remaining	39-42
Support Courses (16 Credits)		
MATH 123	Calculus I (If not taken)	4
MATH 281/381	Intro to Statistics or Probability & Statistics (If not taken)	
MATH 315	Linear Algebra	3
MATH 316	Discrete Mathematics	3
	Support Courses Credits Remaining	6-10
Minor Requirement (18 Credits)		
MINOR	Any Non-AI/ML Minor or 2nd Major	18
	Minor Requirements Credits Remaining	18
Electives (8 Credits)		
ELECTIVE	Additional Electives Needed	0
	Electives Credits Remaining	0
TOTALS		
	Total DSU Credits Remaining *(subject to elective courses completed)*	**63-70**

Attachment E. DSU B.S. in Computer Science (BSCS) – NMMI A.S. Computer Science concentration → DSU Course Mapping

DSU Prefix/Number	DSU Course Title	DSU Credits	NMMI Course Number	NMMI Course Title	NMMI Credits
Required Courses (57 Credits)					
CSC 105	Introduction to Computers	3	BCIS 1110	Fundamentals of Information Literacy & Systems (if taken)	3
CSC 150	Computer Science I	3	CSCI 1220	Computer Programming Fundamentals	4
CSC 234	Software Security	3			
CSC 250	Computer Science II	3	CSCI 2220	Intro to Data Structures and Algorithms	4
CSC 260	Object Oriented Design	3	CSCI 2210	Object-Oriented Programming	4
CSC 285	Networking I	3			
CSC 300	Data Structures	3			
CSC 310	Advanced Data Structures	3			
CSC 314	Assembly Language	3			
CSC 404	Foundation of Computation	3			
CSC 410	Parallel Computing	3			
CSC 456	Operating Systems	3			
CSC 461	Programming Languages	3			
CSC 470	Software Engineering	3			
CSC 482	Algorithms and Optimization	3			
CIS 332 / CIS 424 / CSC 321	Choose one: Structured Systems Analysis and Design OR Software Development with Agile Methodologies OR Cyber Law and Policy	3			
UPPER CIS/CSC	Choose three 300–400-level CIS/CSC courses (specialization courses may apply)	9 cr. total			
Required Courses Credits		57	Required Courses Credits accepted		12-15
Support Courses (19 Credits)					
MATH 123	Calculus I	4	MATH 1510	Calculus I (if taken)	4
MATH 201	Introduction to Discrete Mathematics	3	CSCI 2310	Discrete Mathematics for Computer Science	3

MATH 316	Discrete Mathematics	3			
Choose one: MATH 281 or 381					
MATH 281	Intro to Statistics	3	MATH 1350	Introduction to Statistics (if taken)	3
MATH 381	Probability & Statistics				
MATH ELECTIVES	Choose two courses from the following approved list				
NOTE: Approved MATH/CSC list: CSC 402; MATH 125, 204, 225, 282, 315, 318, 321, 361, 381, 413, 418, 436, 437, 471, 475, 492.					
MATH 125	Calculus	4	MATH 1520	Calculus II (if taken)	4
	Support Courses Credits	19		Support Courses NMMI Credits accepted	3-13
Choose One Specialization (Artificial Intelligence/Machine Learning or Software Engineering) or 12 additional Credits of electives (12 Credits)					
	Specialization	12			
Open Electives (2-14 Credits) (12 Credits can be completed with a specialization					
Open Electives Credits		2-14		Any unaccepted Credits from NMMI *(Additional credits not mapped apply toward electives)*	2-14
TOTALS (*Includes General Education*)					
	Total Credits	**120**		**Total NMMI Credits accepted**	***60**

**Additional earned credits may be transferred upon DSU review and approval.*

Attachment F. B.S. in Computer Science (BSCS) – NMMI A.S. Computer Science concentration
Remaining DSU Credits for Completion

DSU Prefix/Number	DSU Course Title	DSU Credits
Required Courses (57 Credits)		
CSC 105	Introduction to Computers (If not taken)	3
CSC 234	Software Security	3
CSC 285	Networking I	3
CSC 300	Data Structures	3
CSC 310	Advanced Data Structures	3
CSC 314	Assembly Language	3
CSC 404	Foundation of Computation	3
CSC 410	Parallel Computing	3
CSC 456	Operating Systems	3
CSC 461	Programming Languages	3
CSC 470	Software Engineering	3
CSC 482	Algorithms and Optimization	3
CIS 332 / CIS 424 / CSC 321	Choose one: Structured Systems Analysis and Design OR Software Development with Agile Methodologies OR Cyber Law and Policy	3
UPPER CIS/CSC	Choose three 300–400-level CIS/CSC courses (specialization courses may apply)	9 cr. total
	Required Courses Credits Remaining	45-48
Support Courses (19 Credits)		
MATH 123	Calculus (If not taken)	4
MATH 281 or 381	Introduction to Statistics (If not taken) or Probability & Statistics	3
MATH 316	Discrete Mathematics	3
MATH ELECTIVES	Choose two courses from the following approved list	4-8
NOTE: Approved MATH/CSC list: CSC 402; MATH 125, 204, 225, 282, 315, 318, 321, 361, 381, 413, 418, 436, 437, 471, 475, 492.		
	Support Courses Credits Remaining	9-16
Choose Specialization Option or Electives (12 Credits)		
	Artificial Intelligence/Machine Learning or Software Engineering Specialization or 12 additional Credits of electives	12
Electives (2-14 Credits)		
		0
B.S. CS TOTALS		
	Total Credits Remaining	**64-78**

Attachment G. DSU B.S. in Cyber Operations (BSCO) – NMMI A.S. Computer Science concentration → DSU Course Mapping

DSU Prefix/Number	DSU Course Title	DSU Credits	NMMI Course Number	NMMI Course Title	NMMI Credits
Required Courses (78 Credits)					
CSC 105	Introduction to Computers	3	BCIS 1110	Fundamentals of Information Literacy & Systems (if taken)	3
CSC 134	Introduction to Cyber	3			
CSC 150	Computer Science I	3	CSCI 1220	Computer Programming Fundamentals	4
CSC 163	Hardware, Virtualization, and Data Communication	3			
CSC 234	Software Security	3			
CSC 250	Computer Science II	3	CSCI 2220	Intro to Data Structures and Algorithms	4
CSC 285	Networking I	3			
CSC 300	Data Structures	3			
CSC 314	Assembly Language	3			
CSC 321	Cyber Law and Policy	3			
CSC 334	Web Development	3			
CSC 385	Networking II	3			
CSC 404	Foundation of Computation	3			
CSC 409	Operating Environments	3			
CSC 420	Cellular and Mobile Communications	3			
CSC 428	Reverse Engineering	3			
CSC 432	Malware Analysis	3			
CSC 436	Offensive Network Security	3			
CSC 437	Survey of Enterprise Systems	3			
CSC 438	Defensive Network Security	3			
CSC 439	Threat Hunting and Incident Response	3			
CSC 456	Operating Systems	3			
MATH 201	Introduction to Discrete Mathematics	3	CSCI 2310	Discrete Mathematics for Computer Science	3
	Required Course Credits	78		Required Course Credits accepted	11-14
Upper-level CIS/CSC/MATH Requirement (9 Credits)					

CIS/CSC 300–400 or MATH 123+	Upper-level CIS/CSC or MATH	9 cr. total			
MATH 123	Calculus I	4	MATH 1510	Calculus I (if taken)	4
MATH 125	Calculus II	4	MATH 1520	Calculus II (if taken)	4
	Required Upper-level CIS/CSC or MATH Requirement Credits	9		Upper-level Requirement Credits accepted (if taken)	8
Open Electives (12 Credits)					
CSC 260	Object Oriented Design	3	CSCI 2210	Object-Oriented Programming	4
	Open Elective Credits	12		Open Elective Credits accepted *(Additional credits not mapped apply toward electives)*	12
TOTALS (*Includes General Education*)					
	Total DSU Credits satisfied	**120**		**Total NMMI Credits accepted**	***60**

**Additional earned credits may be transferred upon DSU review and approval.*

Attachment H. B.S. in Cyber Operations (BSCO) – NMMI A.S. Computer Science concentration
Remaining DSU Credits for Completion

DSU Prefix/Number	DSU Course Title	DSU Credits
System-Wide General Education Requirement (30 Credits)		
	GenEd Credits Remaining	0
Required Courses (78 Credits)		
CSC 105	Introduction to Computers (If not taken)	3
CSC 134	Introduction to Cyber	3
CSC 163	Hardware, Virtualization, and Data Communication	3
CSC 234	Software Security	3
CSC 285	Networking I	3
CSC 300	Data Structures	3
CSC 314	Assembly Language	3
CSC 321	Cyber Law and Policy	3
CSC 334	Web Development	3
CSC 385	Networking II	3
CSC 404	Foundation of Computation	3
CSC 409	Operating Environments	3
CSC 420	Cellular and Mobile Communications	3
CSC 439	Threat Hunting and Incident Response	3
CSC 428	Reverse Engineering	3
CSC 432	Malware Analysis	3
CSC 436	Offensive Network Security	3
CSC 437	Survey of Enterprise Systems	3
CSC 438	Defensive Network Security	3
CSC 456	Operating Systems	3
	Required Courses Credits Remaining	57-60
Upper-level CIS/CSC/MATH Requirement (9 Credits)		
CIS/CSC 300–400 or MATH 123+	Upper-level CIS/CSC or Math	5-9
Open Electives (12 Credits)		
	Open Electives Remaining	0
TOTALS		
	Total Credits Remaining	**62-69**

Attachment I. DSU B.S. in Network and Security Administration (NetSec) – NMMI A.S. Computer Science concentration → DSU Course Mapping

DSU Prefix/Number	DSU Course Title	DSU Credits	NMMI Course Number	NMMI Course Title	NMMI Credits
Required Courses (74 Credits)					
CIS 484	Database Management Systems	3			
CSC 105	Introduction to Computers	3	BCIS 1110	Fundamentals of Information Literacy & Systems (if taken)	3
CSC 134	Introduction to Cyber	3			
CSC 150	Computer Science I	3	CSCI 1220	Computer Programming Fundamentals	4
CSC 163	Hardware, Virtualization, and Data Communication	3			
CSC 234	Software Security	3			
CSC 250	Computer Science II	3	CSCI 2220	Intro to Data Structures and Algorithms	4
CSC 285	Networking I	3			
CSC 321	Cyber Law and Policy	3			
CSC 334	Web Development	3			
CSC 385	Networking II	3			
CSC 387	Routing and Switching	5			
CSC 388	Computer Forensics Fundamentals	3			
CSC 407	Advanced Routing and Switching	3			
CSC 409	Operating Environments	3			
CSC 430	Windows Administration	3			
CSC 431	UNIX/Linux Administration	3			
CSC 436	Offensive Network Security	3			
CSC 437	Survey of Enterprise Systems	3			
CSC 438	Defensive Network Security	3			
CSC 439	Threat Hunting and Incident Response	3			
CSC 443	Scripting for Network Administration	3			

CSC 494 / CSC 498	Choose one: Internship OR Research	3			
MATH 281	Introduction to Statistics	3	MATH 1350	Introduction to Statistics (if taken)	3
	Required Course Credits	74		Required Course Credits accepted	8-14
Open Electives (16 Credits)					
CSC 260	Object Oriented Design	3	CSCI 2210	Object-Oriented Programming	4
MATH 201	Introduction to Discrete Mathematics	3	CSCI 2310	Discrete Mathematics for Computer Science	3
	Open Electives Credits	16		Electives Credits accepted *(Additional credits not mapped apply toward electives)*	16
TOTALS (*Includes General Education*)					
	Total Credits	**120**		**Total NMMI Credits accepted**	***60**

**Additional earned credits may be transferred upon DSU review and approval.*

Attachment J. B.S. in Network and Security Administration (NetSec) – NMMI A.S. Computer Science concentration – Remaining DSU Credits for Completion

DSU Prefix/Number	DSU Course Title	DSU Credits
System-Wide General Education Requirement (30 Credits)		
	GenEd Credits Remaining	0
Required Courses (74 Credits)		
CIS 484	Database Management Systems	3
CSC 105	Introduction to Computers (If not taken)	3
CSC 134	Introduction to Cyber	3
CSC 163	Hardware, Virtualization, and Data Communication	3
CSC 234	Software Security	3
CSC 285	Networking I	3
CSC 321	Cyber Law and Policy	3
CSC 334	Web Development	3
CSC 385	Networking II	3
CSC 387	Routing and Switching	5
CSC 388	Computer Forensics Fundamentals	3
CSC 407	Advanced Routing and Switching	3
CSC 409	Operating Environments	3
CSC 430	Windows Administration	3
CSC 431	UNIX/Linux Administration	3
CSC 436	Offensive Network Security	3
CSC 437	Survey of Enterprise Systems	3
CSC 438	Defensive Network Security	3
CSC 439	Threat Hunting and Incident Response	3
CSC 443	Scripting for Network Administration	3
CSC 494 / CSC 498	Choose one: Internship OR Research	3
	Required Course Credits Remaining	62-65
Open Electives (16 Credits)		
	Open Elective Credits Remaining	0
TOTALS		
	Total Credits Remaining	**62-65**

Attachment K. DSU Bachelor of Business Administration (BBA) – NMMI A.A. Business Administration concentration → DSU Course Mapping

DSU Prefix/Number	DSU Course Title	DSU Credits	NMMI Course Number	NMMI Course Title	NMMI Credits
Required Courses (60 Credits)					
ACCT 210	Principles of Accounting I	3	ACCT 2110	Principles of Accounting I	4
ACCT 211	Principles of Accounting II	3	ACCT 2120	Principles of Accounting II	4
BADM 101	Survey of Business	3	BUSA 1110	Introduction to Business (if taken)	3
BADM 220	Business Statistics	3			
BADM 310	Business Finance	3			
BADM 321	Business Statistics II	3			
BADM 344	Managerial Communications	3			
BADM 350	Legal Environment of Business	3			
BADM 360	Organization and Management	3	MGMT 2110	Principles of Management (if taken)	3
BADM 370	Marketing	3	MKTG 2110	Principles of Marketing (if taken)	3
BADM 405	International Trade & Finance	3			
BADM 425	Production and Operations Management	3			
BADM 457	Business Ethics	3	BUSA 2460	Business Ethics (if taken)	3
BADM 482	Business Policy and Strategy	3			
CIS 325	Management Information Systems	3			
CSC 105	Introduction to Computers	3	BCIS 1110	Fundamentals of Information Literacy & Systems (if taken)	3
ECON 201	Principles of Microeconomics	3	ECON 2120	Microeconomic Principles	3
ECON 202	Principles of Macroeconomics	3	ECON 2110	Macroeconomic Principles	3
Choose one course from the following approved list:		3 cr. total			
CIS 123	Problem Solving and Programming	3			
CIS 130	Visual Basic Programming	3			
CSC 150	Computer Science I *	3			

	*Note - Students who choose the Accounting Specialization must take CSC 150.				
Choose three courses from the following approved list:		3 cr. total			
CIS 206	Advanced Applications	1			
CIS 207	Advanced Applications: Spreadsheets	1			
CIS 208	Advanced Applications: Database	1			
CIS 209	Advanced Applications: SAS	1			
CIS 210	QuickBooks I	1			
CIS 211	QuickBooks II (note CIS 210 is the pre-req.)	1			
	Required Credits	60		Required Credits accepted	14-17
Choose One Specialization (21 Credits)					
Accounting, Business Technology, Cybersecurity Management, Esports Management, Finance, Management, or Marketing		21		Specialization Credits accepted	0
Open Electives (9 Credits)					
	Open Electives	9		Elective Credits accepted *(Additional credits mapped apply toward electives)*	9
TOTALS (*Includes General Education*)					
	Total Credits	**120**		**Total Credits accepted**	***60**

**Additional earned credits may be transferred upon DSU review and approval.*

Attachment L. Bachelor of Business Administration (BBA) – NMMI A.A. Business Administration concentration – Remaining DSU Credits for Completion

DSU Prefix/Number	DSU Course Title	DSU Credits
System-Wide General Education Requirement (30 Credits)		
	GenEd Credits Remaining	0
Required Courses (60 Credits)		
BADM 101	Survey of Business (if not taken)	3
BADM 220	Business Statistics	3
BADM 310	Business Finance	3
BADM 321	Business Statistics II	3
BADM 344	Managerial Communications	3
BADM 350	Legal Environment of Business	3
BADM 360	Organization and Management (if not taken)	3
BADM 370	Marketing (if not taken)	3
BADM 405	International Trade & Finance	3
BADM 425	Production and Operations Management	3
BADM 457	Business Ethics (if not taken)	3
BADM 482	Business Policy and Strategy	3
CIS 325	Management Information Systems	3
CSC 105	Introduction to Computers (if not taken)	3
Choose one course from the following approved list		3 cr. total
CIS 123	Problem Solving and Programming	3
CIS 130	Visual Basic Programming	3
CSC 150	Computer Science I *	3
	*Note - Students who choose the Accounting Specialization must take CSC 150.	
Choose three courses from the following approved list		3 cr. total
CIS 206	Advanced Applications	1
CIS 207	Advanced Applications: Spreadsheets	1
CIS 208	Advanced Applications: Database	1
CIS 209	Advanced Applications: SAS	1
CIS 210	QuickBooks I	1
CIS 211	QuickBooks II* note CIS 210 is the pre-req.	1
	Required Credit Remaining	42
Choose One Specialization (21 Credits)		
	Specialization Credit Remaining	21
Open Electives (9 Credits)		
	Open Electives Remaining	0
TOTALS		
	Total Credits Remaining	**63**

Attachment M. Bachelor of Science in Computer Information Systems (BSCIS) – NMMI A.S. Computer Science Concentration or A.A. Business Administration Concentration → DSU Course Mapping

DSU Prefix/Number	DSU Course Title	DSU Credits	NMMI Course Number	NMMI Course Title	NMMI Credits A.S. CS	NMMI Credits AA. BUS.
Required Courses (66 Credits)						
ACCT 210	Principles of Accounting I	3	ACCT 2110	Principles of Accounting I		4
BADM 220	Business Statistics	3				
BADM 344	Managerial Communications	3				
BADM 350	Legal Environment of Business	3				
BADM 360	Organization and Management	3	MGMT 2110	Principles of Management (if taken)		3
BADM 370	Marketing	3	MKTG 2110	Principles of Marketing (if taken)		3
CIS 251	Business Applications Programming	3				
CIS 325	Management Information Systems	3				
CIS 332	Structured Systems Analysis and Design	3				
CIS 338	Project Management	3				
CIS 484	Database Management Systems	3				
CIS 427	Information Systems Planning and Management	3				
CSC 105	Introduction to Computers	3	BCIS 1110	Fundamentals of Information Literacy & Systems (if taken)	3	3
CSC 134	Introduction to Cyber	3				
CSC 150	Computer Science I	3	CSCI 1220	Computer Programming Fundamentals	4	
CSC 163	Hardware, Virtualization, and Data Communication	3				
CSC 285	Networking I	3				
ECON 201	Principles of Microeconomics	3	ECON 2120	Microeconomic Principles		3
Choose three courses from the following approved list:		3 cr. total				
CIS 206	Advanced Applications	1				

CIS 207	Advanced Applications: Spreadsheets	1				
CIS 208	Advanced Applications: Database	1				
CIS 210	QuickBooks I	1				
Choose three courses from the following approved list:		9 cr. total				
ACCT 211	Principles of Accounting II	3	ACCT 2120	Principles of Accounting II		4
BADM 310	Business Finance	3				
BADM 321	Business Statistics II	3				
BADM 331	Financial Analytics	3				
BADM 425	Production and Operations Management	3				
BADM 435	Management Technology and Innovation	3				
BADM 460	Human Resource Management	3				
BADM 472	Marketing Technology	3				
CIS 275	Web Application Programming I	3				
CIS 330	COBOL I	3				
CIS 340	Java Programming	3				
CIS 368	Predictive Analytics	3				
CIS 372	Programming for Analytics	3				
CIS 375	Web Application Programming II	3				
CIS 384	Decision Support Systems	3				
CIS 424	Software Development with Agile Methodologies	3				
CIS 438	Advanced Project Management	3				
CIS 474	Business Intelligence and Big Data	3				
CSC 376	Web Development Environments	3				
CIS 487	Database Programming	3				
CIS 494	Internship 1	3				
CIS 498	Research 1	3				

CSC 234	Software Security	3				
CSC 250	Computer Science II	3	CSCI 2220	Intro to Data Structures and Algorithms	4	
CSC 260	Object Oriented Design	3	CSCI 2210	Object-Oriented Programming	4	
CSC 409	Operating Environments	3				
CSC 385	Networking II	3				
CSC 430	Windows Administration	3				
CSC 431	UNIX/Linux Administration	3				
CSC 451	Mobile Development Environments	3				
ECON 202	Principles of Macroeconomics	3	ECON 2110	Macroeconomic Principles		3
HIM 130	Basic Medical Terminology	3				
HIM 265	Health Data Quality and Outcomes	3				
HIM 440	Healthcare Information Governance	3				
MATH 201	Introduction to Discrete Mathematics	3	CSCI 2310	Discrete Mathematics for Computer Science	3	
	Required Credits	66		Required Credits accepted	15-18	17
Choose One Specialization (18 Credits)						
Application Development, Business Analytics, Health Informatics, or Project Management		18		Specialization Credit Accepted	0	0
Open Electives (6 Credits)						
	Open Electives	6		Elective Credits accepted *(Additional credits not mapped apply toward electives)*		
	Total Elective Credits satisfied	6		Total Elective Credits accepted	6	6
TOTALS (*Includes General Education*)						
	Total Credits	**120**		**Total Credits accepted**		***60**

**Additional earned credits may be transferred upon DSU review and approval.*

Attachment N. B.S. in Computer Information Systems (BSCIS) – NMMI A.S. Computer Science Concentration – Remaining DSU Credits for Completion

DSU Prefix/Number	DSU Course Title	DSU Credits
System-Wide General Education Requirement (30 Credits)		
	GenEd Credits Remaining	0
Required Courses (60 Credits)		
ACCT 210	Principles of Accounting I	3
BADM 220	Business Statistics	3
BADM 344	Managerial Communications	3
BADM 350	Legal Environment of Business	3
BADM 360	Organization and Management	3
BADM 370	Marketing	3
CIS 251	Business Applications Programming	3
CIS 325	Management Information Systems	3
CIS 332	Structured Systems Analysis and Design	3
CIS 338	Project Management	3
CIS 484	Database Management Systems	3
CIS 427	Information Systems Planning and Management	3
CSC 105	Introduction to Computers (if not taken)	3
CSC 134	Introduction to Cyber	3
CSC 163	Hardware, Virtualization, and Data Communication	3
CSC 285	Networking I	3
Choose three courses from the following approved list:		3 cr. total
CIS 206	Advanced Applications	1
CIS 207	Advanced Applications: Spreadsheets	1
CIS 208	Advanced Applications: Database	1
CIS 210	QuickBooks I	1
Choose One Specialization (18 Credits)		
Application Development, Business Analytics, Health Informatics, Project Management		18
Open Electives (6 Credits)		
	Open Electives	0
TOTALS		
	Total Credits Remaining	**69-72**

B.S. in Computer Information Systems (BSCIS) – NMMI A.A. Business Administration Concentration - Remaining DSU Credits for Completion

DSU Prefix/Number	DSU Course Title	DSU Credits
System-Wide General Education Requirement (30 Credits)		
	GenEd Credits Remaining	0
Required Courses (60 Credits)		
BADM 220	Business Statistics	3
BADM 344	Managerial Communications	3
BADM 350	Legal Environment of Business	3
BADM 360	Organization and Management (if not taken)	3
BADM 370	Marketing (if not taken)	3
CIS 251	Business Applications Programming	3
CIS 325	Management Information Systems	3
CIS 332	Structured Systems Analysis and Design	3
CIS 338	Project Management	3
CIS 484	Database Management Systems	3
CIS 427	Information Systems Planning and Management	3
CSC 105	Introduction to Computers (if taken)	3
CSC 134	Introduction to Cyber	3
CSC 150	Computer Science I	3
CSC 163	Hardware, Virtualization, and Data Communication	3
CSC 285	Networking I	3
Choose three courses from approved list		3
Choose three courses from the following:		3 cr. total
CIS 206	Advanced Applications	1
CIS 207	Advanced Applications: Spreadsheets	1
CIS 208	Advanced Applications: Database	1
CIS 210	QuickBooks I	1
	Total Required Credits Remaining	48-51
Choose One Specialization (18 Credits)		
	Specialization Credits Remaining	18
Electives (6 Credits)		
	Open Electives Remaining	0
TOTALS		
	Total Credits Remaining	**66-69**

Attachment O. B.S. in Artificial Intelligence in Organizations (BSAIO) – NMMI A.S. Computer Science Concentration or A.A. Business Administration Concentration → DSU Course Mapping

DSU Prefix/Number	DSU Course Title	DSU Credits	NMMI Course Number	NMMI Course Title	NMMI Credits A.S. CS	NMMI Credits A.A. BUS
Required Courses (69 Credits)						
BADM 201	Fundamentals of AI in Organizations	3				
BADM 220	Business Statistics	3				
BADM 321	Business Statistics II	3				
BADM 336	Entrepreneurship I	3				
BADM 344	Managerial Communications	3				
BADM 360	Organization and Management	3	MGMT2110	Principles of Management (if taken)		3
BADM 370	Marketing	3	MKTG 2110	Principles of Marketing (if taken)		3
BADM 435	Management Technology and Innovation	3				
BADM 472	Marketing Technology	3				
CIS 325	Management Information Systems	3				
CIS 338	Project Management	3				
CIS 368	Predictive Analytics	3				
CIS 372	Programming for Analytics	3				
CIS 378	Applied AI and Applications	3				
CIS 384	Decision Support Systems	3				
CIS 470	Strategy and Application of AI in Organizations	3				
CIS 474	Business Intelligence and Big Data	3				
CIS 484	Database Management Systems	3				
CSC 105	Introduction to Computers	3	BCIS 1110	Fundamentals of Information Literacy & Systems (if taken)	3	3
CSC 150	Computer Science I	3	CSCI 1220	Computer Programming Fundamentals	4	
CSC 250	Computer Science II	3	CSCI 2220	Intro to Data Structures and Algorithms	4	
CSC 386	Applications of Deep Learning	3				

MATH 201	Introduction to Discrete Mathematics	3	CSCI 2310	Discrete Mathematics for Computer Science	3	
	Required course credits	69		Required course credits accepted	11-14	3
Major Electives (15 Credits)						
Choose 15 Credits from the following prefixes: ACCT, BADM, CIS, CSC, ECON, HIM		15 cr. total		*Recommended NMMI courses*		
CSC 260	Object Oriented Design	3	CSCI 2210	Object-Oriented Programming	4	
ACCT 210	Principles of Accounting I	3	ACCT 2110	Principles of Accounting I		4
ACCT 211	Principles of Accounting II	3	ACCT 2120	Principles of Accounting II		4
BADM 457	Business Ethics		BUSA 2460	Business Ethics (if taken)		3
ECON 202	Principles of Macroeconomics	3	ECON 2110	Macroeconomic Principles		3
ECON 201	Principles of Microeconomics	3	ECON 2120	Microeconomic Principles		3
	Major Elective Credits	15	Select Major Electives Accepted		4	14
Open Electives (6 Credits)						
	Open Electives	6		Elective Credits Accepted *(Additional credits not mapped apply toward electives)*	6	6
TOTALS (***Includes General Education***)						
	Total Credits	**120**		**Total Credits Accepted**	***60**	***60**

**Additional earned credits may be transferred upon DSU review and approval.*

Attachment P. B.S. in Artificial Intelligence in Organizations (BSAIO) – A.S. Computer Science Concentration – Remaining DSU Credits for Completion

DSU Prefix/Number	DSU Course Title	DSU Credits
System-Wide General Education Requirement (30 Credits)		
	GenEd Credits Remaining	0
Required Courses (60 Credits)		
BADM 201	Fundamentals of AI in Organizations	3
BADM 220	Business Statistics	3
BADM 321	Business Statistics II	3
BADM 336	Entrepreneurship I	3
BADM 344	Managerial Communications	3
BADM 360	Principles of Management (if not taken)	3
BADM 370	Principles of Marketing (if not taken)	3
BADM 435	Management Technology and Innovation	3
BADM 472	Marketing Technology	3
CIS 325	Management Information Systems	3
CIS 338	Project Management	3
CIS 368	Predictive Analytics	3
CIS 372	Programming for Analytics	3
CIS 378	Applied AI and Applications	3
CIS 384	Decision Support Systems	3
CIS 470	Strategy and Application of AI in Organizations	3
CIS 474	Business Intelligence and Big Data	3
CIS 484	Database Management Systems	3
CSC 105	Introduction to Computers (if not taken)	3
CSC 386	Applications of Deep Learning	3
Major Electives (15 Credits)		
	Major Electives Remaining	11
Open Electives (6 Credits)		
	Open Electives Remaining	0
TOTALS		
	Total Credits Remaining	**62-68**

B.S. in Artificial Intelligence in Organizations (BSAIO) – A.A. Business Administration Concentration
Remaining DSU Credits for Completion

DSU Prefix/Number	DSU Course Title	DSU Credits
System-Wide General Education Requirement (30 Credits)		
	GenEd Credits Remaining	0
Required Courses (60 Credits)		
BADM 201	Fundamentals of AI in Organizations	3
BADM 220	Business Statistics	3
BADM 321	Business Statistics II	3
BADM 336	Entrepreneurship I	3
BADM 344	Managerial Communications	3
BADM 360	Principles of Management (if not taken)	3
BADM 370	Principles of Marketing (if not taken)	3
BADM 435	Management Technology and Innovation	3
BADM 472	Marketing Technology	3
CIS 325	Management Information Systems	3
CIS 338	Project Management	3
CIS 368	Predictive Analytics	3
CIS 372	Programming for Analytics	3
CIS 378	Applied AI and Applications	3
CIS 384	Decision Support Systems	3
CIS 470	Strategy and Application of AI in Organizations	3
CIS 474	Business Intelligence and Big Data	3
CIS 484	Database Management Systems	3
CSC 105	Introduction to Computers (if not taken)	3
CSC 150	Computer Science I	3
CSC 250	Computer Science II	3
CSC 386	Applications of Deep Learning	3
MATH 201	Discrete Mathematics	3
Major Electives (15 Credits)		
	Major Electives Remaining	1
Open Electives (6 Credits)		
	Open Electives	0
TOTAL		
	Total Credits Remaining	**63-66**

Attachment Q. DSU B.S. in Cyber Leadership and Intelligence (BS) – NMMI A.A. Criminal Justice or A.A. Political Science → DSU Course Mapping

DSU Prefix/Number	DSU Course Title	DSU Credits	NMMI Course Number	NMMI Course Title	NMMI Credits Crim. J.	NMMI Credits Pol. Sci.
Required Courses (54 Credits)						
CLI 101	Introduction to Cyber Leadership	3				
CLI 110	The US Intelligence Community	3				
CLI 242	Cyber Social Science Methods and Analysis	3				
CLI 320	Religion, Beliefs, and Technology	3	PHIL 2125	Comparative World Religions (if taken)	3	3
CLI 420	Cyber Leadership	3				
CLI 494 or CLI 498	Internship or Research	1-3				
CSC 105	Introduction to Computers	3				
CSC 134	Introduction to Cyber	3				
CSC 150 or CIS 123	Computer Science I or Problem Solving and Programming	3				
CSC 147	Artificial Intelligence Survey	3				
CSC 321	Cyber Law and Policy	3				
ENGL 212	Modern World Literature	3	HUMN 2130	World Mythology (if taken)	3	3
HIST 468	US and World Affairs: 1900-Present	3				
POLS 350	International Relations	3	POLS 2120	International Relations (if taken)	3	3
SOC 370	People and their Cultures	3				
Choose 9 credits from the following approved list:		9 cr. total				
CLI 310	Hacking, Hackers, and Hacktivism	3				
CLI 430	Intelligence Failures	3				
CLI 370	Cyber-Ethics	3				

CLI 492	Topics	3				
HIST 358	The United States Since 1941	3				
Required Program Courses Credits		54	Required Program Courses Credits accepted		6	6
Choose One Specialization (18 Credits)						
Digital Forensics Specialization or World Affairs and Human Behavior Specialization						
Required Specialization Course Credits		18		Specialization Credit Accepted	0	0
Open Electives (18 Credits)						
Elective Credits		18	*(Additional credits not mapped apply toward electives)*			
			CJUS 1110	Introduction to Criminal Justice	3	
			CJUS 1120	Criminal Law	3	
			CJUS 1170	Introduction to Criminology	3	
			CRIJ 2613	Constitutional Law	3	
			CJUS 2150	Corrections System (if taken)	3	
			CJUS 2220	The American Law Enforcement System (if taken)	3	
			POLS 1110	Introduction to Political Science		3
			POLS 1120	American National Government		3
			POLS 2110	Comparative Politics		3
			ECON 2110	Macroeconomic Principles (if taken)		3
			ECON 2120	Microeconomic Principles (if taken)		3
			HIST 1110	United States History I (if taken)		3
			HIST 1120	United States History II (if taken)		3
			HIST 1140	World History II (if taken)		3
			Total Elective Credits Accepted *(Additional credits not mapped apply toward electives)*		15	12
TOTALS (*Includes General Education*)						
	Total DSU Credits	120		**Total NMMI Credits Accepted**	***60**	***60**

**Additional earned credits may be transferred upon DSU review and approval*

Attachment R. DSU B.S. in Cyber Leadership and Intelligence (BS) – NMMI A.S. Computer Science → DSU Course Mapping

DSU Prefix/Number	DSU Course Title	DSU Credits	NMMI Course Number	NMMI Course Title	NMMI Credits
Required Courses (54 Credits)					
CLI 101	Introduction to Cyber Leadership	3			
CLI 110	The US Intelligence Community	3			
CLI 242	Cyber Social Science Methods and Analysis	3			
CLI 320	Religion, Beliefs, and Technology	3	PHIL 2125	Comparative World Religions (if taken)	3
CLI 420	Cyber Leadership	3			
CLI 494 or CLI 498	Internship or Research	1-3			
CSC 105	Introduction to Computers	3	BCIS 1110	Fundamentals of Information Literacy & Systems (if taken)	3
CSC 134	Introduction to Cyber	3			
CSC 150 or CIS 123	Computer Science I or Problem Solving and Programming	3	CSCI 1220	Computer Programming Fundamentals	4
CSC 147	Artificial Intelligence Survey	3			
CSC 321	Cyber Law and Policy	3			
ENGL 212	Modern World Literature	3	HUMN 2130	World Mythology (if taken)	3
HIST 468	US and World Affairs: 1900-Present	3			
POLS 350	International Relations	3	POLS 2120	International Relations (if taken)	3
SOC 370	People and their Cultures	3			
Choose 9 credits from the following approved list:		9 cr. total			
CLI 310	Hacking, Hackers, and Hacktivism	3			

CLI 430	Intelligence Failures	3			
CLI 370	Cyber-Ethics	3			
CLI 492	Topics	3			
HIST 358	The United States Since 1941	3			
	Required Program Courses Credits	54		Required Program Courses Credits accepted	6
Choose One Specialization (18 Credits)					
Digital Forensics Specialization or World Affairs and Human Behavior Specialization					
	Required Specialization Course Credits	18		Specialization Credit Accepted	0
Open Electives (18 Credits)					
Elective Credits		18	*(Additional credits not mapped apply toward electives)*		0-6
			CSCI 2210	Object-Oriented Programming	4
			CSCI 2220	Intro to Data Structures and Algorithms	3
			CSCI 2310	Discrete Mathematics for Computer Science	3
				Total Elective Credits Accepted *(Additional credits not mapped apply toward electives)*	10-16
TOTALS (*Includes General Education*)					
	Total DSU Credits	120		**Total NMMI Credits Accepted**	***60**

**Additional earned credits may be transferred upon DSU review and approval*

Attachment S. DSU B.S. in Cyber Leadership and Intelligence (BS) – NMMI A.A. Criminal Justice or A.A. Political Science – Remaining DSU Credits for Completion

DSU Prefix/Number	DSU Course Title	DSU Credits
System-Wide General Education Requirement (30 Credits)		
	GenEd Credits Remaining	0
Required Courses (54 Credits)		
CLI 101	Introduction to Cyber Leadership	3
CLI 110	The US Intelligence Community	3
CLI 242	Cyber Social Science Methods and Analysis	3
CLI 320	Religion, Beliefs, and Technology (if not taken)	3
CLI 420	Cyber Leadership	3
CLI 494 or CLI 498	Internship or Research	1-3
CSC 105	Introduction to Computers	3
CSC 134	Introduction to Cyber	3
CSC 150 or CIS 123	Computer Science I or Problem Solving and Programming	3
CSC 147	Artificial Intelligence Survey	3
CSC 321	Cyber Law and Policy	3
ENGL 212	Modern World Literature (if not taken)	3
HIST 468	US and World Affairs: 1900-Present	3
POLS 350	International Relations (if not taken)	3
SOC 370	People and their Cultures	3
Choose 9 credits from the following approved list:		9 cr. total
CLI 310	Hacking, Hackers, and Hacktivism	3
CLI 430	Intelligence Failures	3
CLI 370	Cyber-Ethics	3
CLI 492	Topics	3
HIST 358	The United States Since 1941	3
Choose One Specialization (18 Credits)		
Digital Forensics Specialization or World Affairs and Human Behavior Specialization		
	Required Specialization Course Credits Remaining	18
Open Electives (18 Credits)		
	Open Elective Credits Remaining	3-6
TOTALS		
	Total Credits Remaining	69-78

DSU B.S. in Cyber Leadership and Intelligence (BS) – NMMI A.S. Computer Science – Remaining DSU Credits for Completion

DSU Prefix/Number	DSU Course Title	DSU Credits
System-Wide General Education Requirement (30 Credits)		
	GenEd Credits Remaining	0
Required Courses (54 Credits)		
CLI 101	Introduction to Cyber Leadership	3
CLI 110	The US Intelligence Community	3
CLI 242	Cyber Social Science Methods and Analysis	3
CLI 320	Religion, Beliefs, and Technology (if not taken)	3
CLI 420	Cyber Leadership	3
CLI 494 or CLI 498	Internship or Research	1-3
CSC 134	Introduction to Cyber	3
CSC 147	Artificial Intelligence Survey	3
CSC 321	Cyber Law and Policy	3
ENGL 212	Modern World Literature (if not taken)	3
HIST 468	US and World Affairs: 1900-Present	3
POLS 350	International Relations (if not taken)	3
SOC 370	People and their Cultures	3
Choose 9 credits from the following approved list:		9 cr. total
CLI 310	Hacking, Hackers, and Hacktivism	3
CLI 430	Intelligence Failures	3
CLI 370	Cyber-Ethics	3
CLI 492	Topics	3
HIST 358	The United States Since 1941	3
Choose One Specialization (18 Credits)		
Digital Forensics Specialization or World Affairs and Human Behavior Specialization		
	Required Specialization Course Credits Remaining	18
Open Electives (18 Credits)		
	Open Elective Credits Remaining	2-8
TOTALS		
	Total Credits Remaining	62-77