

**MSA/MS MIS Dual Degree
(Master of Science in Accounting /
Master of Science in Management Information Systems)**

The Dual MSA/MSMIS degree program is recommended for students wishing to pursue a career in accounting and/or management information systems. These two fields have increasingly overlapped over the last several years, and employers are demanding students with both skill sets. The Dual MSA/MSMIS degree will train students in the necessary accounting and MIS skills to advance their careers with potentially only one additional semester of coursework.

In general, the Dual MSA/MSMIS degree can be completed in as little as three semesters, but four semesters may be more common. If additional prerequisites for either program are required, the program may take an additional semester to complete.

The student must be admitted to both the MSA and MSMIS programs. University policy on dual degrees stipulates that a maximum of 50% of the credit hours for the shorter program may be counted toward both degrees. Therefore, the MSA/MSMIS degree requires a total of 45 units.

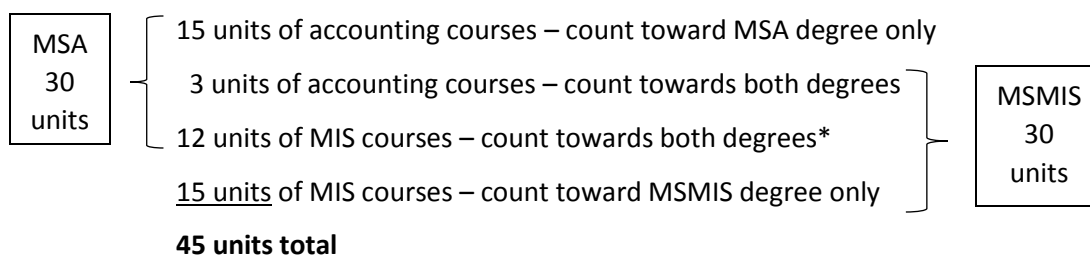
In summary:

The student must meet the prerequisite requirements for both degrees.

MSA Degree requirements: 30 units of coursework

MSMIS Degree requirements: 30 units of coursework

However, up to 15 units of course work may be counted toward both degrees, as described below. To receive the dual degree, the following are required:



*The MSA degree as approved allows up to 12 units of non-accounting business electives.

The following pages outline the specific course requirements of each program. The course listings include course offering times, which are subject to change based on faculty availability.

On-Ground (Main Campus) Dual Degree Coursework Details

On-Ground MSA Coursework

Prerequisites

The following are considered prerequisite courses for the MSA program. Some of these courses can be completed during the program, but are not counted towards the units needed to complete the dual MSA/MSMIS degree. The dual degree program will be promoted to students with a business undergraduate degree, who will almost certainly have completed the introductory financial and managerial accounting prerequisite listed below (ACCT 200/210). The remaining prerequisites can all be completed in an initial summer start term.

Accounting Prerequisite Courses	Units	Main Campus Offering	Prerequisites
ACCT 200/210: Introduction to Financial/Managerial Acct.	3 - 6	Indep. Study - Fall, Spring, & Summer	None
ACCT 310/545: Cost/Managerial Accounting	2 - 3	Fall & Summer	210
ACCT 500A: Intermediate Financial Accounting I	3	Fall, Spring, & Summer	200
ACCT 500B: Intermediate Financial Accounting II	3	Fall, Spring, & Summer	500A
ACCT 520: Principles of Federal Taxation	3	Fall, Spring, & Summer	200 concurrent

Core Accounting Courses

Students must take **18** total units of Accounting from the following tables. Nine of these units must be from courses included on the MSA Exit Exam. Three of these units must be from courses that can be double counted for the MSMIS degree.

Select a minimum of **nine** units from the following courses:

Core Accounting Courses on Exit Exam	Units	Main Campus Offering	Prerequisites
ACCT 501: Advanced Accounting	3	Fall & Spring	500B
ACCT 521: Business Law for Accountants	3	Fall & Spring	None
ACCT 522: Advanced Federal Taxation	3	Fall	520
ACCT 531: Principles of Auditing	3	Fall	500A concurrent
ACCT 554: Accounting Analysis of Financial Statements	3	Fall	500B concurrent

Select a minimum of **three** units from the following courses:

Core Accounting Courses Double Counted for MSMIS Degree	Units	Main Campus Offering	Prerequisites
ACCT 514: Information Technology Audit	3	Spring	None
ACCT 530: Forensic & Investigative Accounting	3	Spring	531
ACCT 561: Accounting Information Systems	3	Fall/Spring	500B concurrent

Select **six** additional units from above tables or from the following courses:

Core Accounting Courses – Additional Units	Units	Main Campus Offering	Prerequisites
ACCT 515: Ethics for Professional Accountants	3	Spring	200/210 concurrent
ACCT 525: Accounting Theory & Institutions	3	Fall & Spring	500B
ACCT 532: Audit Simulation	3	Spring	531
ACCT 562A: Technology for Accountants (Excel)	1	Fall/Spring	200 concurrent
ACCT 562B: Technology for Accountants-Accounting Software (QuickBooks)	1	Fall/Spring	200

ACCT 562C: International Financial Reporting Standards	1	Fall/Spring	500B concurrent
ACCT 572A: Accounting for Not-for-Profit Entities	3	Fall	500B
ACCT 580: Communication Skills for the Accounting Profession	3	Fall/Spring	500B concurrent & internal controls knowledge preferred
Other newly created ACCT courses as approved.			

Elective Courses

The following **12** units of core MIS coursework make up the elective units for the MSA degree. These units are counted towards both degrees.

Core MIS Courses - Main Campus Program	Units	Offering
MIS 507: Software Design & Integration	3	Fall
MIS 513: Business Foundations for IT	3	Spring
MIS 531: Enterprise Data Management	3	Fall
MIS 541: Information Systems Analysis & Design	3	Fall

On-Ground MSMIS Coursework

Prerequisites

The following courses define the prerequisite knowledge required for the Main Campus MSMIS program. If taken as a preparatory course while in the program, these courses may not be counted towards the units needed to complete the dual MSA/MSMIS degree. Since the dual degree program will be promoted to students with a business undergraduate degree or working professionals, most students will have satisfied these requirements. Otherwise, they can be taken in their first Fall semester.

Business Prerequisite Courses	Units	Main Campus Offering
MIS 509: Business Communications*	3	Fall
ACCT 542: Introduction to Financial & Managerial Accounting^	3	Fall
MKTG 552: Introductory Statistics for Managers	3	Fall

*Students electing to take ACCT 580: Communication Skills for the Accounting Profession will automatically meet the MSMIS business communications requirement.

^This course is automatically waived for MSA/MSMIS dual degree students as the content is covered by MSA prerequisite courses.

Core MIS Courses

Students must take **21** core MIS courses as listed on the following table. 12 of these units count towards the MSA degree.

Core MIS Courses - Main Campus Program	Units	Offering
MIS 507: Software Design & Integration	3	Fall
MIS 510: Web Computing & Mining	3	Spring
MIS 513: Business Foundations for IT	3	Spring
MIS 531: Enterprise Data Management	3	Fall
MIS 541: Information Systems Analysis & Design	3	Fall
MIS 543: Business Data Communications & Networking	3	Fall
BNAD 597A: Eller Business Consulting	3	Spring

Elective Courses

Students must take **nine** elective units for the MSMIS degree.

As previously indicated in the MSA Coursework section, students select **three** units from the following courses, which are double counted for the MIS degree.

Core Accounting Courses Double Counted for MSMIS Degree	Units	Main Campus Offering	Prerequisites
ACCT 514: Information Technology Audit	3	Spring	None
ACCT 530: Forensic & Investigative Accounting	3	Spring	531
ACCT 561: Accounting Information Systems	3	Fall/Spring	500B concurrent

Select **six** units from the following courses:

Main Campus Program

Elective MIS Courses – Main Campus Program	Units	Offering
MIS 506: Healthcare Information Systems	3	Fall
MIS 511: Social & Ethical Issues of the Internet	3	Spring
MIS 515: Information Security in the Public & Private Sectors	3	Fall & Spring
MIS 516: Information Security Risk Management	3	Fall & Spring
MIS 517: Systems Security Management	3	Fall & Spring
MIS 527: Introduction to Enterprise Computing Environments	3	Fall
MIS 529: Detection of Deception & Intent	3	Spring
MIS 545: Data Mining for Business Intelligence	3	Fall
MIS 565: Managing for Quality Improvement	3	Fall & Spring
MIS 573A: Production & Operations Management	3	Fall
MIS 573B: Production & Operations Management	3	Spring
MIS 577: The Supply Chain & Logistics	3	Fall
MIS 578: Project Management	3	Fall & Spring
MIS 585: Strategic Management of Information Systems	3	Spring
MIS 586: Big Data Analytics	3	Fall
MIS 587: Business Intelligence	3	Spring
Other newly created MIS courses as approved.		

Sample Plan of Study

Main Campus: Assuming All ACCT Prerequisites Needed Except Acct. 200/210

1st Summer		1st Fall		1st Spring		2nd Fall		2nd Spring		
Course	Units	Course	Units	Course	Units	Course	Units	Course	Units	
ACCT 500A prereq	3	ACCT 531	3	ACCT 532	3	ACCT 501	3	BNAD 597A	3	
ACCT 520 prereq	3	ACCT 522	3	MIS 510	3	ACCT 521	3	MIS 511	3	
ACCT 500B prereq	3	MIS 543	3	MIS 515	3	MIS 507	3	MIS 513	3	
ACCT 310 prereq	3	MIS 531	3	ACCT 514	3	MIS 541	3			
Total Units:	12		12		12		12		9	Totals:
MSA Only Units:	0		6		3		6		0	15
MIS Only Units:	0		3		6		0		6	15
Double Counted Units:	0		3		3		6		3	15
										45

Note: A student could complete the dual degree in one semester less than indicated above, if taking 15 units instead of 12 in the Fall and Spring terms.

Online Dual Degree Coursework Details

Online MSA Coursework

Prerequisites

The following are considered prerequisite courses for the MSA program. Some of these courses can be completed during the program, but are not counted towards the units needed to complete the dual MSA/MSMIS degree. The dual degree program will be promoted to students with a business undergraduate degree, who will almost certainly have completed the introductory financial and managerial accounting prerequisite listed below (ACCT 200/210). The remaining prerequisites can all be completed in an initial summer start term.

Accounting Prerequisite Courses	Units	Online Campus Offering	Prerequisites
ACCT 200/210: Introduction to Financial/Managerial Acct.	3 - 6	Fall, Spring, & Summer as NDS student (space permitting)	None
ACCT 310/545: Cost/Managerial Accounting	2 - 3	Summer II & Spring I	210
ACCT 500A: Intermediate Financial Accounting I	3	Summer I	200
ACCT 500B: Intermediate Financial Accounting II	3	Summer II	500A
ACCT 520: Principles of Federal Taxation	3	Summer II	200 concurrent

Core Accounting Courses

Students must take **18** total units of Accounting from the following tables. Nine of these units must be from courses included on the MSA Exit Exam. Three of these units must be from the course that can be double counted for the MSMIS degree.

Select a minimum of **nine** units from the following courses:

Core Accounting Courses on Exit Exam	Units	Online Campus Offering	Prerequisites
ACCT 501: Advanced Accounting	3	Spring II	500B
ACCT 521: Business Law for Accountants	3	Fall II	None
ACCT 522: Advanced Federal Taxation	3	Fall I	520
ACCT 531: Principles of Auditing	3	Fall I	500A concurrent

The following **three** units must be taken and are double counted for both degrees:

Core Accounting Courses Double Counted for MSMIS Degree	Units	Online Campus Offering	Prerequisites
ACCT 514: Information Technology Audit	3	Summer I	None

Select **six** additional units from initial table or from the following courses:

Core Accounting Courses – Additional Units	Units	Online Campus Offering	Prerequisites
ACCT 515: Ethics for Professional Accountants	3	Spring II	200/210 concurrent
ACCT 525: Accounting Theory & Institutions	3	Spring I	500B
ACCT 572A: Accounting for Not-for-Profit Entities	3	Fall II	500B
ACCT 575: Financial & Managerial Accounting in Healthcare	3	Summer II	200/210
Other newly created ACCT courses as approved.			

Elective Courses

The following **12** units of core MIS coursework make up the elective units for the MSA degree. These units are counted towards both degrees.

Core MIS Courses - Online Campus Program	Units	Offering
MIS 507A: Software Design & Integration	3	Summer I
MIS 513: Business Foundations for IT	3	Fall I, Spring I
MIS 531: Enterprise Data Management	3	Fall II, Spring II
MIS 541: Information Systems Analysis & Design	3	Fall I, Spring II

Online MSMIS Coursework

Core MIS Courses

Students must take **21** core MIS courses as listed on the following table. 12 of these units count towards the MSA degree.

Core MIS Courses - Online Campus Program	Units	Offering
MIS 507A: Software Design & Integration	3	Summer I
MIS 515: Information Security in Public & Private Sectors	3	Fall II, Summer I
MIS 513: Business Foundations for IT	3	Fall I, Spring I
MIS 531: Enterprise Data Management	3	Fall II, Spring II
MIS 541: Information Systems Analysis & Design	3	Fall I, Spring II
MIS 545: Data Mining for Business Intelligence	3	Spring I, Summer II
MIS 696H: Master's Report Projects	3	Summer I

Elective Courses

Students must take **nine** elective units for the MSMIS degree.

Three of these units must be the following ACCT course which is double counted for both degrees:

Core Accounting Courses Double Counted for MSMIS Degree	Units	Online Campus Offering	Prerequisites
ACCT 514: Information Technology Audit	3	Summer I	None

Select **six** units from the following courses:

Online Campus Program

Elective MIS Courses – Online Campus Program	Units	Offering
MIS 511: Social & Ethical Issues of the Internet	3	Fall II
MIS 516: Information Security Risk Management	3	Fall I, Summer II
MIS 517: Systems Security Management	3	Fall I, Spring II
MIS 578: Project Management	3	Spring I, Summer II
MIS 587: Business Intelligence	3	Fall I, Spring I
Other newly created MIS courses as approved.		

Online Campus: Assuming All ACCT Prerequisites Needed Except Acct. 200/210

1st Summer		1st Fall		1st Spring		2nd Summer		2nd Fall		2nd Spring		3rd Summer		
Course	Units	Course	Units	Course	Units	Course	Units	Course	Units	Course	Units	Course	Units	
ACCT 500A prereq	3	ACCT 531 (I)	3	ACCT 501 (II)	3	ACCT 575 (II)	3	ACCT 522 (I)	3	MIS 578 (I)	3	MIS 696H (I)	3	
ACCT 520 prereq	3	MIS 541 (I)	3	MIS 587 (I)	3	MIS 507A (I)	3	ACCT 521 (II)	3	MIS 541 (II)	3			
ACCT 500B prereq	3	MIS 531 (II)	3	MIS 513 (I)	3	ACCT 514 (I)	3	MIS 515 (II)	3					
ACCT 545 prereq	2													
Total Units:	11		9		9		9		9		6		3	Totals:
MSA Only Units:	0		3		3		3		6		0		0	15
MIS Only Units	0		3		3		0		3		3		3	15
Double Counted Units:	0		3		3		6		0		3		0	15
														45

Note: A student could complete the dual degree more quickly than indicated above. However, since most online students are part-time students, a part time sample schedule is being shown.