

AN ARTICULATION AGREEMENT
BETWEEN
ROBERT MORRIS UNIVERSITY
AND
COMMUNITY COLLEGE OF ALLEGHENY COUNTY

OBJECTIVE OF THE AGREEMENT

Based on the commonality of purpose and a mutual goal of assuring a quality education, Community College of Allegheny County and Robert Morris University enter into the following articulation agreement. The primary objective of this agreement is to maximize credit transferability while retaining all Robert Morris academic requirements and providing a rigorous program of study. This agreement will afford students the opportunity to realize their educational goals and enhance their future employability through a curriculum that is both challenging and rewarding.

TERMS AND CONDITIONS OF THE AGREEMENT

This agreement applies to Community College of Allegheny County (CCAC) graduates with an earned Associate in Science Degree in:

Anesthesia Technologist
Diagnostic Medical Sonographer – General Ultrasound
Diagnostic Medical Sonographer – Cardiac Ultrasound
Diagnostic Medical Sonographer – Vascular Ultrasound
Dietetic Technician
Health Information Technology
Massage Therapy
Medical Assistant
Medical Laboratory Technician
Nuclear Medicine Technology
Nursing
Occupational Therapy Assistant
Paramedic
Pharmacy Technician
Physical Therapist Assistant
Radiation Therapy Technology
Radiologic Technologist
Respiratory Therapy
Surgical Technologist

who plan to enter Robert Morris University (RMU) in a major under the Bachelor of Science Degree in Health Services Administration (Online Program).

Up to 57 credits will be granted to students who have successfully completed an Associate Degree provided that:

- Students have completed the curriculum as outlined in the CCAC 2016-2017 College catalog
- Students have fulfilled grade requirements of the major into which they are transferring.

Courses completed at other academic institutions do not affect the nature or scope of this agreement. Said courses will be evaluated according to the Academic Policies of RMU regarding transfer credits.

RMU will provide an official evaluation of all previously completed coursework and placement of those credits at the time of application.

RMU reserves the right to change program requirements and/or transfer equivalents.

Notice of changes in program requirements by any party of this agreement must be given in writing in a timely manner.

RMU acknowledges that some credits earned towards the Associate Degree at CCAC may have been awarded as Advanced Standing credit as a result of transfer or prior learning assessment, to include standardized examinations, military coursework, or portfolio credit. This agreement maintains that these credits earned toward the Associate Degree will be honored.

Termination of this agreement may be made by any party, and must be in writing.

Students who sign a letter of intent are indicating their interest in attending RMU and will be entitled to:

- a waiver of the RMU application fee
- advanced registration along with RMU students
- participation in academic department functions and activities while enrolled at CCAC

However, this letter of intent does not obligate students to attend RMU. Students who sign a letter of intent must matriculate within three years.

CCAC will properly advertise and will provide information regarding RMU, its academic programs, requirements, and services extended to the transfer graduate under the terms of this agreement.

CCAC will communicate with the RMU Academic Services Office regarding issues and questions posed by participating students.

CCAC will provide the RMU Admissions Office with the names and addresses of CCAC students who have indicated an interest in attending RMU and would benefit from major department activity information.

The undersigned duly authorized officials agree to abide by the above terms and conditions.

APPROVED BY:

COMMUNITY COLLEGE OF
ALLEGHENY COUNTY

ROBERT MORRIS UNIVERSITY

Quintin B. Bullock, DDS Date
President

Christopher B. Howard, D.Phil. Date
President

ANESTHESIA TECHNOLOGIST

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester (Spring)			
ANE110	Basic Principles of Anesthesia		Open Elective
ANE111	Basic Anesthesia Equipment		Open Elective
BIO110	Introduction to Biology or (BIO151)		Natural Science Elective *
ENG101	English Composition	COSO1220	Reading & Writing Strategies
Summer			
PSY101	Introduction to Psychology		Open Elective
MAT108	Intermediate Algebra or MAT111 (Mathematics Elective)	MATH1010	College Algebra
Second Semester (Fall)			
ANE113	Anesthesia Technology Clinical		Open Elective (with ANE213)
ANE114	Advanced Principles of Anesthesia Tech.		Open Elective
ANE116	Advanced Anesthesia Equipment		Open Elective
BIO161	Anatomy and Physiology 1	BIOL1210	Anatomy and Physiology I (BIOL1215) * Open Elective
ENG102	English Composition 2	COSO1221	Argument and Research Strategies
Third Semester (Spring)			
ANE213	Anesthesia Technology Clinical 2		Open Elective (with ANE113)
ANE214	Anesthesia Pharmacology		Open Elective
BIO162	Anatomy and Physiology 2	BIOL1220	Anatomy and Physiology II (BIOL1225) * Open Elective
CHM109	Introduction to Chemistry Humanities Elec.(ART, MUS, PHL, THE, DAN)	HUMA1010	Open Elective Humanities: Art and Music
Fourth Semester (Fall)			
ANE220	Professional Issues for the Anes. Tech.		Not Applicable
ANE221	Anesthesia Technology Clinical 3		Open Elective
ANE222	Anesthesia Technology Clinical 4		Open Elective

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

*The one additional credit from the labs will fulfill an open elective.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics **or** ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)
- CIT100 Computer Fundamentals and Applications

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO1220	College Reading & Writing Strat.	3ENG101	HUMA1010	Humanities: Art and Music	3TRAN
COSO1221	Argument and Research Strategies	3ENG102	INFS1020	Intro to Decision Support Systems	3___
COSO2220	Speaking Strategies	3___	LITO_____	Literature Elective	3___
COSO2230	Business Professional Communication	3___	MATH1010	College Mathematics	3TRAN
ECON1010	Survey of Economics or	3___	PSYC1010	General Psychology	3PSY101
ECON1020	Principles of Macroeconomics		SOCI1010	Principles of Sociology or	3___
HIST_____	History Elective** or	3___	SOCI1020	Contemporary American Social Problems	
POLS_____	Political Science Elective**		_____	Natural Science Elective	3TRAN

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250	Health Administration Intro/Level I	3___	*HSAM1900	Human Resource Administration in Health Care	3___
*HSAM1300	Health Services Administration II	3___	*HSAM2000	Health Care Law and Ethics	3___
*HSAM1400	Introduction to Managed Care	3___	*HSAM2100	Basic Principles of Health Economics	3___
*HSAM1500	Health Care Financial Administration	3___	*HSAM3200	Health Care Accounting and Budgeting	3___
*HSAM1600	Fundamentals of Health Policy	3___	*HSAM3250	Research for the Health Care Professional	3___
*HSAM1700	Strategic Planning for Health Care	3___	*HSAM4850	Undergraduate Thesis in Health Care	3___
*HSAM1800	Marketing for Health Services Organizations	3___	*HSAM4903	Internship	3___
			*INFS3440	Health Care Information System	3___

3. OPEN ELECTIVES--36 Credits Minimum

_____	_____	3ANE110	_____	_____	3ANE214
_____	_____	3ANE111	BIOL1220	Anatomy and Physiology II	3BIO162
_____	_____	3ANE113/ANE213	_____	_____	3CHM109
_____	_____	3ANE114	_____	_____	3ANE221
_____	_____	3ANE116	_____	_____	3ANE222
BIOL1210	Anatomy and Physiology I	3BIO161	_____	(Combined Lab credits)	3TRAN

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

**DIAGNOSTIC MEDICAL SONOGRAPHER
GENERAL ULTRASOUND: ABDOMEN, OBSTETRICS & GYNECOLOGY**

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
Program Pre-Requisite Courses:			
ALH140	Medical Terminology (or BIO-123)		Open Elective
BIO161	Anatomy & Physiology 1	BIOL1310	Anatomy and Physiology I (Nat'l Sc. Elec.)
BIO162	Anatomy & Physiology 2		Open Elective
ENG101	English Composition 1	COSO1220	Reading & Writing Strategies
MAT108	Intermediate Algebra	MATH1010	College Mathematics
PHY100	Basic Physics		Open Elective
First Semester			
DMS102	Introduction to Clinical Experience: Patient Care & Ethical/Legal Issues		Open Elective
DMS105	Cross-sectional Anatomy for Ultrasonography		Open Elective
ENG102	Argument and Research Humanities Elec.(ART, MUS, PHL, THE, DAN)	COSO1221 HUMA1010	Argument and Research Strategies Humanities: Art & Music
Second Semester			
DMS103	Abdominal, Obstetrical & Gyn Ultra		Open Elective
DMS113	Ultrasound Clinical 1/Abdomen/GYN		Open Elective
PHY127	Physics for Health Science/ Ultra		Open Elective
PSY101	Introduction to Psychology	PSYC1010	General Psychology
Summer			
DMS115	Ultrasound Clinical 2/Abdomen-OB/GYN		Not Applicable
Third Semester			
DMS203	Advanced Abdomen & small Parts Ultrasound		Open Elective
DMS210	Ultrasound Instrumentation & Quality Control		Open Elective
DMS223	Ultrasound Clinical 3/Abdomen- OB/GYN		Open Elective
Fourth Semester			
DMS225	Ultrasound Clinical 4/Abdomen-OB/GYN		Open Elective
DMS227	Advanced OB/GYN Ultrasound		Not Applicable
DMS228	Doppler Vascular Sonography		Not Applicable

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- * SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)
- CIT100 Computer Fundamentals and Applications

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO1220 College Reading & Writing Strat.	3ENG101	HUMA1010 Humanities: Art and Music	3TRAN
COSO1221 Argument and Research Strategies	3ENG102	INFS1020 Intro to Decision Support Systems	3____
COSO2220 Speaking Strategies	3____	LITO____ Literature Elective	3____
COSO2230 Business Professional Communication	3____	MATH1010 College Mathematics	3MAT108
ECON1010 Survey of Economics or	3____	PSYC1010 General Psychology	3PSY101
ECON1020 Principles of Macroeconomics		SOCI1010 Principles of Sociology or	3____
HIST____ History Elective** or	3____	SOCI1020 Contemporary American Social Problems	
POLS____ Political Science Elective**		_____ Natural Science Elective	3BIO161

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I	3____	*HSAM1900 Human Resource Administration in Health Care	3____
*HSAM1300 Health Services Administration II	3____		
*HSAM1400 Introduction to Managed Care	3____	*HSAM2000 Health Care Law and Ethics	3____
*HSAM1500 Health Care Financial Administration	3____	*HSAM2100 Basic Principles of Health Economics	3____
*HSAM1600 Fundamentals of Health Policy	3____	*HSAM3200 Health Care Accounting and Budgeting	3____
*HSAM1700 Strategic Planning for Health Care	3____	*HSAM3250 Research for the Health Care Professional	3____
*HSAM1800 Marketing for Health Services Organizations	3____	*HSAM4850 Undergraduate Thesis in Health Care	3____
		*HSAM4903 Internship	3____
		*INFS3440 Health Care Information System	3____

3. OPEN ELECTIVES--36 Credits Minimum

_____	3ALH140	_____	3DMS113
_____	3BIO162	_____	3PHY127
_____	3PHY100	_____	3DMS203
_____	3DMS102	_____	3DMS210
_____	3DMS105	_____	3DMS223
_____	3DMS103	_____	3DMS225

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

DIAGNOSTIC MEDICAL SONOGRAPHER

CARDIAC ULTRASOUND

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
Program Pre-Requisite Courses:			
ALH140	Medical Terminology (or BIO-123)		Open Elective
BIO161	Anatomy & Physiology 1	BIOL1310	Anatomy and Physiology I (Natl Sc. Elec.)
BIO162	Anatomy & Physiology 2		Open Elective
ENG101	English Composition 1	COSO1220	Reading & Writing Strategies
MAT108	Intermediate Algebra	MATH1010	College Mathematics
PHY100	Basic Physics		Open Elective
First Semester			
DMS102	Introduction to Clinical Experience: Patient Care & Ethical/Legal Issues		Open Elective
DMS105	Cross-sectional Anatomy for Ultrasonography		Open Elective
ENG102	Argument and Research Humanities Elec.(ART, MUS, PHL, THE, DAN)	COSO1221 HUMA1010	Argument and Research Strategies Humanities: Art & Music
Second Semester			
DMS104	Cardiac Ultrasound		Open Elective
DMS114	Ultrasound Clinical 1/Cardiac		Open Elective
PHY127	Physics for Health Science/ Ultra		Open Elective
PSY101	Introduction to Psychology	PSYC1010	General Psychology
Summer			
DMS116	Ultrasound Clinical 2/Cardiac		Not Applicable
Third Semester			
DMS204	Advanced Cardiac Ultrasound		Open Elective
DMS210	Ultrasound Instrumentation & Quality Control		Open Elective
DMS224	Ultrasound Clinical 3/Cardiac		Open Elective
Fourth Semester			
DMS226	Ultrasound Clinical 4/Cardiac		Open Elective
DMS228	Doppler Vascular Sonography Recommended Elective		Not Applicable Not Applicable

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)
- CIT100 Computer Fundamentals and Applications

ROBERT MORRIS UNIVERSITY**ACADEMIC REQUIREMENTS FOR
Bachelor of Science Degree****School: Nursing and Health Sciences****Major: HEALTH SERVICES ADMINISTRATION(ONLINE)****Department: Health Sciences****Minimum Credits Required - 120****1. ROBERT MORRIS UNIVERSITY CORE--39 Credits**

COSO1220	College Reading & Writing Strat.	3	ENG101	HUMA1010	Humanities: Art and Music	3	TRAN
COSO1221	Argument and Research Strategies	3	ENG102	INFS1020	Intro to Decision Support Systems	3	
COSO2220	Speaking Strategies	3		LITO	Literature Elective	3	
COSO2230	Business Professional Communication	3		MATH1010	College Mathematics	3	MAT108
ECON1010	Survey of Economics or	3		PSYC1010	General Psychology	3	PSY101
ECON1020	Principles of Macroeconomics	3		SOCI1010	Principles of Sociology or	3	
HIST	History Elective** or	3		SOCI1020	Contemporary American Social Problems	3	
POLS	Political Science Elective**	3			Natural Science Elective	3	BIO161

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250	Health Administration Intro/Level I	3		*HSAM1900	Human Resource Administration in Health Care	3	
*HSAM1300	Health Services Administration II	3		*HSAM2000	Health Care Law and Ethics	3	
*HSAM1400	Introduction to Managed Care	3		*HSAM2100	Basic Principles of Health Economics	3	
*HSAM1500	Health Care Financial Administration	3		*HSAM3200	Health Care Accounting and Budgeting	3	
*HSAM1600	Fundamentals of Health Policy	3		*HSAM3250	Research for the Health Care Professional	3	
*HSAM1700	Strategic Planning for Health Care	3		*HSAM4850	Undergraduate Thesis in Health Care	3	
*HSAM1800	Marketing for Health Services Organizations	3		*HSAM4903	Internship	3	
				*INFS3440	Health Care Information System	3	

3. OPEN ELECTIVES--36 Credits Minimum

		3	ALH140			3	DMS114
		3	BIO162			3	PHY127
		3	PHY100			3	DMS204
		3	DMS102			3	DMS210
		3	DMS105			3	DMS224
		3	DMS104			3	DMS226

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

DIAGNOSTIC MEDICAL SONOGRAPHER

VASCULAR ULTRASOUND

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
Program Pre-Requisite Courses:			
ALH140	Medical Terminology (or BIO-123)		Open Elective
BIO161	Anatomy & Physiology 1	BIOL1310	Anatomy and Physiology I (Natl Sc. Elec.)
BIO162	Anatomy & Physiology 2		Open Elective
ENG101	English Composition 1	COSO1220	Reading & Writing Strategies
MAT108	Intermediate Algebra	MATH1010	College Mathematics
PHY100	Basic Physics		Open Elective
First Semester			
DMS102	Introduction to Clinical Experience: Patient Care & Ethical/Legal Issues		Open Elective
DMS105	Cross-sectional Anatomy for Ultrasonography		Open Elective
ENG102	Argument and Research Humanities Elec.(ART, MUS, PHL, THE, DAN)	COSO1221 HUMA1010	Argument and Research Strategies Humanities: Art & Music
Second Semester			
DMS125	Vascular Ultrasound		Open Elective
DMS135	Ultrasound Clinical 1/Vascular Ultra		Open Elective
PHY127	Physics for Health Science/ Ultra		Open Elective
PSY101	Introduction to Psychology	PSYC1010	General Psychology
Summer			
DMS137	Ultrasound Clinical 2/Vascular Ultrasound		Not Applicable
Third Semester			
DMS207	Advanced Vascular Ultrasound		Open Elective
DMS210	Ultrasound Instrumentation & Quality Control		Open Elective
DMS235	Ultrasound Clinical 3/Vascular		Open Elective
Fourth Semester			
DMS237	Ultrasound Clinical 4/Vascular		Open Elective
DMS239	Abdominal/ OB/GYN/ Cardiac Ultra Recommended Elective		Not Applicable Not Applicable

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)
- CIT100 Computer Fundamentals and Applications

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO1220	College Reading & Writing Strat.	3	ENG101	HUMA1010	Humanities: Art and Music	3	TRAN
COSO1221	Argument and Research Strategies	3	ENG102	INFS1020	Intro to Decision Support Systems	3	
COSO2220	Speaking Strategies	3		LITO	Literature Elective	3	
COSO2230	Business Professional Communication	3		MATH1010	College Mathematics	3	MAT108
ECON1010	Survey of Economics or	3		PSYC1010	General Psychology	3	PSY101
ECON1020	Principles of Macroeconomics	3		SOCI1010	Principles of Sociology or	3	
HIST	History Elective** or	3		SOCI1020	Contemporary American Social Problems	3	
POLS	Political Science Elective**	3			Natural Science Elective	3	BIO161

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250	Health Administration Intro/Level I	3		*HSAM1900	Human Resource Administration in Health Care	3	
*HSAM1300	Health Services Administration II	3		*HSAM2000	Health Care Law and Ethics	3	
*HSAM1400	Introduction to Managed Care	3		*HSAM2100	Basic Principles of Health Economics	3	
*HSAM1500	Health Care Financial Administration	3		*HSAM3200	Health Care Accounting and Budgeting	3	
*HSAM1600	Fundamentals of Health Policy	3		*HSAM3250	Research for the Health Care Professional	3	
*HSAM1700	Strategic Planning for Health Care	3		*HSAM4850	Undergraduate Thesis in Health Care	3	
*HSAM1800	Marketing for Health Services Organizations	3		*HSAM4903	Internship	3	
				*INFS3440	Health Care Information System	3	

3. OPEN ELECTIVES--36 Credits Minimum

_____	_____	3	ALH140	_____	_____	3	DMS135
_____	_____	3	BIO162	_____	_____	3	PHY127
_____	_____	3	PHY100	_____	_____	3	DMS207
_____	_____	3	DMS102	_____	_____	3	DMS210
_____	_____	3	DMS105	_____	_____	3	DMS235
_____	_____	3	DMS125	_____	_____	3	DMS237

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

DIETETIC TECHNICIAN

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
BIO103	Introduction to Human Biology	BIOL1250	Fund of Human Biology (Natural Sc. Elec.)
DIT102	Dietetic/Food Service Orientation		Open Elective
DIT103	Nutrition Assessment		Not Applicable
DIT104	Foods		Open Elective
DIT105	Foods Lab		Not Applicable
DIT106	Fundamentals of Nutrition	BIOL1050	Conc & Controversies of Nutrition (Open Elective)
Second Semester			
ALH140	Medical Terminology	HSMG2400	Medical Terminology (Open Elective)
DIT110	Foodservice Production & Purchasing		Open Elective
DIT114	Medical Nutrition Therapy		Open Elective
DIT125	Food Protection Certification		Not Applicable
MAT108	Intermediate Algebra	MATH1010	College Mathematics
Third Semester			
CHM120	Bio-organic Chemistry	CHEM1220	Bio-Organic Chemistry (Open Elective)
CIT100	Computer Fundamental & Application	INFS1020	Intro to Decision Support Systems
DIT210	Human Resource Mgt. for Dietetics		Open Elective
ENG101	English Composition 1	COSO1220	Reading & Writing Strategies (Open Elec.)
SPH101	Oral Communication	COSO2220	Speaking Strategies
Fourth Semester			
DIT208	Community Nutrition		Open Elective
DIT209	Dietetic Supervised Practice 2		Open Elective
DIT212	Foodservice Systems		Open Elective
DIT214	Dietetic Seminar		Not Applicable
ENG102	English Composition 2	COSO1221	Argument and Research Strategies
PSY101	Introduction to Psychology	PSYC1010	General Psychology
Summer			
DIT113	Dietetic Practice Seminar		Not Applicable
DIT201	Dietetic Supervised Practice 1		Not Applicable

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- Any ART, MUS, PHL, THE or DAN course (3crs.)
- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO2221 Intercultural Communication Strategies	3	HUMA1010 Humanities: Art and Music	3
COSO1221 Argument and Research Strategies	3	INFS1020 Intro to Decision Support Systems	3
COSO2220 Speaking Strategies	3	LITO_____ Literature Elective	3
COSO2230 Business Professional Communication	3	MATH1010 College Mathematics	3
ECON1010 Survey of Economics or	3	PSYC1010 General Psychology	3
ECON1020 Principles of Macroeconomics		SOCI1010 Principles of Sociology or	3
HIST_____ History Elective** or	3	SOCI1020 Contemporary American Social Problems	
POLS_____ Political Science Elective**		_____ Natural Science Elective	3

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I	3	*HSAM1900 Human Resource Administration in Health Care	3
*HSAM1300 Health Services Administration II	3	*HSAM2000 Health Care Law and Ethics	3
*HSAM1400 Introduction to Managed Care	3	*HSAM2100 Basic Principles of Health Economics	3
*HSAM1500 Health Care Financial Administration	3	*HSAM3200 Health Care Accounting and Budgeting	3
*HSAM1600 Fundamentals of Health Policy	3	*HSAM3250 Research for the Health Care Professional	3
*HSAM1700 Strategic Planning for Health Care	3	*HSAM4850 Undergraduate Thesis in Health Care	3
*HSAM1800 Marketing for Health Services Organizations	3	*HSAM4903 Internship	3
		*INFS3440 Health Care Information System	3

3. OPEN ELECTIVES--36 Credits Minimum

_____	3	CHEM1220 Bio-Organic Chemistry	3
_____	3	_____	3
BIOL1050 Con & Controversies of Nutrition	3	COSO1220 Reading & Writing Strategies	3
HSMG2400 Medical Terminology	3	_____	3
_____	3	_____	3
_____	3	_____	3

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

HEALTH INFORMATION TECHNOLOGY

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
ALH140	Medical Terminology	HSMG2400	Medical Terminology (Open Elective)
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology I (Nat. Sc. Elec.)
CIT100	Computer Fundamentals & Applications	INFS1020	Intro to Decision Support Systems
MDR100	Intro to Health Data Content & Structure		Open Elective
MAT108	Intermediate Algebra (Mathematics Elective) Or MAT111	MATH1010	College Mathematics
Second Semester			
ALH125	Pharmacology (or BIO107)		Open Elective
BIO162	Anatomy & Physiology 2	BIOL1220	Anatomy and Physiology II (Open Elec.)
CIT140	Office Productivity Applications	INFS2412	Desktop Publishing (Open Elective)
MDR103	Healthcare Statistics		Not Applicable
MDR206	Legal Aspects of Health Information		Not Applicable
PSY101	Introduction to Psychology	PSYC1010	General Psychology
Third Semester			
BIO241	Pathophysiology		Open Elective
ENG101	English Composition 1	COSO1220	College Reading and Writing Strategies (Open Elective)
MDR102	Inpatient Clinical Coding & Sec Records		Open Elective
MDR202	Health Information Technology (1)		Open Elective
MDR207	Clinical Quality Improvement		Open Elective
Fourth Semester			
ENG102	English Composition 2	COSO1221	Argument and Research Strategies
MDR203	Health Information Technology (2)		Open Elective
MDR208	Health Information Management		Open Elective
MDR210	Ambulatory Care Clinical Coding & RS		Not Applicable
SPH101	Oral Communication	COSO2220	Speaking Strategies

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- Any ART, MUS, PHL, THE or DAN course (3crs.)
- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO2221 Intercultural Communication Strategies	3	HUMA1010 Humanities: Art and Music	3
COSO1221 Argument and Research Strategies	3	INFS1020 Intro to Decision Support Systems	3
COSO2220 Speaking Strategies	3	LITO_____ Literature Elective	3
COSO2230 Business Professional Communication	3	MATH1010 College Mathematics	3
ECON1010 Survey of Economics or	3	PSYC1010 General Psychology	3
ECON1020 Principles of Macroeconomics		SOCI1010 Principles of Sociology or	3
HIST_____ History Elective** or	3	SOCI1020 Contemporary American Social Problems	
POLS_____ Political Science Elective**		_____ Natural Science Elective	3

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I	3	*HSAM1900 Human Resource Administration in Health Care	3
*HSAM1300 Health Services Administration II	3	*HSAM2000 Health Care Law and Ethics	3
*HSAM1400 Introduction to Managed Care	3	*HSAM2100 Basic Principles of Health Economics	3
*HSAM1500 Health Care Financial Administration	3	*HSAM3200 Health Care Accounting and Budgeting	3
*HSAM1600 Fundamentals of Health Policy	3	*HSAM3250 Research for the Health Care Professional	3
*HSAM1700 Strategic Planning for Health Care	3	*HSAM4850 Undergraduate Thesis in Health Care	3
*HSAM1800 Marketing for Health Services Organizations	3	*HSAM4903 Internship	3
		*INFS3440 Health Care Information System	3

3. OPEN ELECTIVES--36 Credits Minimum

HSMG2400 Medical Terminology	3	_____	_____	3
_____	3	_____	_____	3
BIOL1220 Anatomy & Physiology II	3	_____	_____	3
INFS2412 Desktop Publishing	3	_____	_____	3
_____	3	_____	_____	3
_____	3	COSO1220 College Reading & Writing Strategies	3	

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

MESSAGE THERAPIST

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
ALH140	Medical Terminology	HSMG2400	Medical Terminology (Open Elective)
BIO103	Introduction to Human Biology		Natural Science Elective
MAS101	Massage Therapy Prin. & Procedures 1		Open Elective
PSY101	Introduction to Psychology	PSYC1010	General Psychology
CIT100	Computer Fundamentals & Applications (Computer Information Technology Elective)	INFS1020	Intro Decision Support Systems
Second Semester			
ENG101	English Composition 1	COSO1220	Reading & Writing Strategies (Open Elec)
HPE171	Personal & Community Health/Wellness		Open Elective
MAS102	Massage Therapy Prin & Procedures 2		Open Elective *
MAS110	Musculoskeleta Palpation for Mas. Ther.		Open Elective (with MAS102) *
MAS111	Pathology for Massage Therapy		Open Elective
Third Semester			
ENG102	English Composition 2	COSO1221	Argument & Research Strategies
MAS201	Massage Therapy Prin & Procedures 3		Open Elective *
MAS208	Assessment for Massage Therapy		Open Elective
MAS211L	Massage Therapy Applications		Open Elective (with MAS201) *
SPH101	Oral Communications (General Elective)	COSO2220	Speaking Strategies
Fourth Semester			
MAS203	Massage Therapy Modalities 1		Open Elective (with MAS212C) *
MAS204	Massage Therapy Modalities 2		Open Elective (with MAS220) *
MAS212C	Massage Therapy Externship		Open Elective (with MAS203) *
MAS220	Massage Therapy Seminar		Open Elective (with MAS204) *
MAT195	Business Mathematics ***		Not Applicable
	Any HIS or POL course (General Elective)		History Elective
	Any ART, MUS, PHL or DAN (Humanities)	HUMA1010	Humanities: Art and Music

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

*Additional credits from some courses combined with others will fulfill open elective.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)

***** Students are encouraged to seek course substitution for MAT195 with either MAT108 or MAT111
Either of those courses would then come in as our MATH1010**

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO2221 Intercultural Communication Strategies 3____	HUMA1010 Humanities: Art and Music 3TRAN
COSO1221 Argument and Research Strategies 3ENG102	INFS1020 Intro to Decision Support Systems 3CIT100
COSO2220 Speaking Strategies 3SPH101	LITO____ Literature Elective 3____
COSO2230 Business Professional Communication 3____	MATH1010 College Mathematics 3____
ECON1010 Survey of Economics or 3____	PSYC1010 General Psychology 3PSY101
ECON1020 Principles of Macroeconomics	SOCI1010 Principles of Sociology or 3____
HIST____ History Elective** or 3TRAN	SOCI1020 Contemporary American Social Problems
POLS____ Political Science Elective**	____ Natural Science Elective 3BIO103

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I 3____	*HSAM1900 Human Resource Administration in Health Care 3____
*HSAM1300 Health Services Administration II 3____	
*HSAM1400 Introduction to Managed Care 3____	*HSAM2000 Health Care Law and Ethics 3____
*HSAM1500 Health Care Financial Administration 3____	*HSAM2100 Basic Principles of Health Economics 3____
*HSAM1600 Fundamentals of Health Policy 3____	*HSAM3200 Health Care Accounting and Budgeting 3____
*HSAM1700 Strategic Planning for Health Care 3____	*HSAM3250 Research for the Health Care Professional 3____
*HSAM1800 Marketing for Health Services Organizations 3____	*HSAM4850 Undergraduate Thesis in Health Care 3____
	*HSAM4903 Internship 3____
	*INFS3440 Health Care Information System 3____

3. OPEN ELECTIVES--36 Credits Minimum

HSMG2400 Medical Terminology 3ALH140	____	____	3MAS111
____	____	____	3MAS201
COSO1220 Reading & Writing Strategies 3ENG101	____	____	3MAS208
____	____	____	3MAS201/MAS211L
____	____	____	3MAS203/MAS212C
____	____	____	3MAS204/MAS220

IMPORTANT NOTES:

Up to 57 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

MEDICAL ASSISTANT

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
ALH140	Medical Terminology	HSMG2400	Medical Terminology (Open Elective)
CIT100	Computer Fundamentals & Application	INFS1020	Intro to Decision Support Systems
MDA104	Administrative Medical Office Mgt.		Open Elective
MDA105	Clinical Medical Assisting 1		Open Elective
MDA208	Medical Financial Management		Open Elective
Second Semester			
BIO103	Introduction to Human Biology	BIOL1250	Fund of Human Biology (Natural Sc. Elec)
MDA101	Medical Transcription		Open Elective
MDA103	Medical Assisting Seminar		Open Elective
MDA106	Clinical Medical Assisting 2		Open Elective
MDA107	Laboratory Procedures for the Office		Open Elective
Summer			
MDA108	Medical Assistant Externship		Not Applicable
Third Semester			
BUS103	Principles of Management	MGMT3100	Management Theory & Prac. (Open Elec)
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies (Open Elec)
PSY101	Introduction to Psychology	PSYC1010	General Psychology
MAT108	Intermediate Algebra (Mathematics Elective) Or MAT111	MATH1010	College Algebra
Fourth Semester			
ALH125	Pharmacology or BIO-107		Open Elective
ENG102	English Composition 2	COSO1221	Argument and Research Strategies
PSY108	Human Growth & Development	PSYC3550	Human Growth & Dev. (Open Elec.)
SPH101	Oral Communication	COSO2220	Speaking Strategies

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- Any ART, MUS, PHL, THE or DAN course (3crs.)
- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO2221 Intercultural Communication Strategies	3	_____	HUMA1010 Humanities: Art and Music	3	_____
COSO1221 Argument and Research Strategies	3	ENG102	INFS1020 Intro to Decision Support Systems	3	CIT100
COSO2220 Speaking Strategies	3	SPH101	LITO_____ Literature Elective	3	_____
COSO2230 Business Professional Communication	3	_____	MATH1010 College Mathematics	3	MAT108
ECON1010 Survey of Economics or	3	_____	PSYC1010 General Psychology	3	PSY101
ECON1020 Principles of Macroeconomics	3	_____	SOCI1010 Principles of Sociology or	3	_____
HIST_____ History Elective** or	3	_____	SOCI1020 Contemporary American Social Problems	3	_____
POLS_____ Political Science Elective**	3	_____	_____ Natural Science Elective	3	BIO103

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I	3	_____	*HSAM1900 Human Resource Administration in Health Care	3	_____
*HSAM1300 Health Services Administration II	3	_____	*HSAM2000 Health Care Law and Ethics	3	_____
*HSAM1400 Introduction to Managed Care	3	_____	*HSAM2100 Basic Principles of Health Economics	3	_____
*HSAM1500 Health Care Financial Administration	3	_____	*HSAM3200 Health Care Accounting and Budgeting	3	_____
*HSAM1600 Fundamentals of Health Policy	3	_____	*HSAM3250 Research for the Health Care Professional	3	_____
*HSAM1700 Strategic Planning for Health Care	3	_____	*HSAM4850 Undergraduate Thesis in Health Care	3	_____
*HSAM1800 Marketing for Health Services Organizations	3	_____	*HSAM4903 Internship	3	_____
			*INFS3440 Health Care Information System	3	_____

3. OPEN ELECTIVES--36 Credits Minimum

HSMG2400 Medical Terminology	3	ALH140	_____	_____	3MDA106
_____	_____	3MDA104	_____	_____	3MDA107
_____	_____	3MDA105	_____	_____	3BUS103
_____	_____	3MDA208	COSO1220	College Reading & Writing Strategies	3ENG101
_____	_____	3MDA101	_____	_____	3ALH125
_____	_____	3MDA103	_____	_____	3PSY108

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

MEDICAL LABORATORY TECHNICIAN

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
ALH140	Medical Terminology	HSMG2400	Medical Terminology (Open Elective)
CHM109	Introduction to Chemistry		Natural Science Elective
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies
MLT111	Clinical Laboratory Techniques 1		Open Elective
MLT161	Clinical Instrumentation & Clinical Chemistry 1		Open Elective
Second Semester			
ENG102	English Composition 2	COSO1221	Argument and Research Strategies
MLT112	Clinical Laboratory Techniques 2		Open Elective
MLT151	Clinical Microbiology 1		Open Elective
MLT162	Clinical Chemistry 2		Open Elective
PSY101	Introduction to Psychology	PSYC1010	General Psychology
Summer			
Humanities Elec.(ART, MUS, PHL, THE, DAN)		HUMA1010	Humanities: Art and Music
Third Semester			
MLT152	Clinical Microbiology 2		Open Elective
MLT220	Clinical Hematology		Open Elective
MLT225	Clinical Immunohematology		Open Elective
MAT108	Intermediate Algebra (Mathematics Elective) Or MAT111	MATH1010	College Mathematics
Fourth Semester			
MLT250	Clinical Laboratory Seminar		Open Elective
MLT251	Clinical Lab Externship		Open Elective (6 credits)

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)
- CIT100 Computer Fundamentals and Applications

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO1220 College Reading & Writing Strategies	3	ENG101	HUMA1010 Humanities: Art and Music	3	TRAN
COSO1221 Argument and Research Strategies	3	ENG102	INFS1020 Intro to Decision Support Systems	3	
COSO2220 Speaking Strategies	3		LITO_____ Literature Elective	3	
COSO2230 Business Professional Communication	3		MATH1010 College Mathematics	3	MAT108
ECON1010 Survey of Economics or	3		PSYC1010 General Psychology	3	PSY101
ECON1020 Principles of Macroeconomics	3		SOCI1010 Principles of Sociology or	3	
HIST_____ History Elective** or	3		SOCI1020 Contemporary American Social Problems		
POLS_____ Political Science Elective**			_____ Natural Science Elective	3	CHM109

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I	3		*HSAM1900 Human Resource Administration in Health Care	3	
*HSAM1300 Health Services Administration II	3				
*HSAM1400 Introduction to Managed Care	3		*HSAM2000 Health Care Law and Ethics	3	
*HSAM1500 Health Care Financial Administration	3		*HSAM2100 Basic Principles of Health Economics	3	
*HSAM1600 Fundamentals of Health Policy	3		*HSAM3200 Health Care Accounting and Budgeting	3	
*HSAM1700 Strategic Planning for Health Care	3		*HSAM3250 Research for the Health Care Professional	3	
*HSAM1800 Marketing for Health Services Organizations	3		*HSAM4850 Undergraduate Thesis in Health Care	3	
			*HSAM4903 Internship	3	
			*INFS3440 Health Care Information System	3	

3. OPEN ELECTIVES--36 Credits Minimum

HSMG2400 Medical Terminology	3	ALH140	_____	_____	3	MLT152
_____	_____	3	_____	_____	3	MLT220
_____	_____	3	_____	_____	3	MLT225
_____	_____	3	_____	_____	3	MLT250
_____	_____	3	_____	_____	3	MLT251
_____	_____	3	_____	_____	3	MLT251

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student’s Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student’s Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student’s “academic” School) to meet one of the requirements for graduation. These courses called “Communication Skills Intensive” are integrated into the degree as part of the “major” areas of the checksheet.

NUCLEAR MEDICINE TECHNOLOGY

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
ALH140	Medical Terminology	HSMG2400	Medical Terminology (Open Elective)
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology I (Natural Sc. Elec.)
MAT111	College Algebra	MATH1010	College Mathematics
NMT101	Introduction to Nuclear Medicine		Not Applicable
PHY125	Applied Nuclear Physics		Open Elective
Second Semester			
BIO162	Anatomy & Physiology 2	BIOL1220	Anatomy & Physiology II (Open Elective)
CHM151	General Chemistry	CHEM1210	Chemistry I (Open Elective)
ENG101	English Composition 1	COSO1220	Reading & Writing Strategies
NMT102	Clinical Nuclear Medicine Technology 1		Open Elective
PHY126	Radiation Physics & Protection		Open Elective
Summer			
NMT201	Clinical Nuclear Medicine Technology 2		Open Elective
NMT206	Nuclear Medicine Instrumentation		Open Elective
Third Semester			
BIO212	Radiobiology		Not Applicable
BIO241	Pathophysiology	NURS2015	Pathophysiology (Open Elective)
ENG102	English Composition 2	COSO1221	Argument & Research Strategies
NMT202	Nuclear Medicine Clinical Practice 1		Open Elective
Fourth Semester			
NMT203	Nuclear Medicine Laboratory Procedures		Not Applicable
NMT204	Nuclear Medicine Clinical Practice 2		Open Elective
NMT207	Nuclear Medicine Seminar		Not Applicable
PSY101	Introduction to Psychology	PSYC1010	General Psychology
	Humanities Elec (ART, MUS, PHL, THE, DAN)	HUMA1010	Humanities: Art and Music
Summer			
NMT205	Nuclear Medicine Externship		Not Applicable
NMT270	Fundamentals of Molecular Imaging w/PET		Open Elective

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- CIT100 Computer & Information Technology
- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO1220 College Reading & Writing Strategies	3	ENG101	HUMA1010 Humanities: Art and Music	3	TRAN
COSO1221 Argument and Research Strategies	3	ENG102	INFS1020 Intro to Decision Support Systems	3	
COSO2220 Speaking Strategies	3		LITO_____ Literature Elective	3	
COSO2230 Business Professional Communication	3		MATH1010 College Mathematics	3	MAT111
ECON1010 Survey of Economics or	3		PSYC1010 General Psychology	3	PSY101
ECON1020 Principles of Macroeconomics	3		SOCI1010 Principles of Sociology or	3	
HIST_____ History Elective** or	3		SOCI1020 Contemporary American Social Problems		
POLS_____ Political Science Elective**			_____ Natural Science Elective	3	BIO161

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I	3		*HSAM1900 Human Resource Administration in Health Care	3	
*HSAM1300 Health Services Administration II	3				
*HSAM1400 Introduction to Managed Care	3		*HSAM2000 Health Care Law and Ethics	3	
*HSAM1500 Health Care Financial Administration	3		*HSAM2100 Basic Principles of Health Economics	3	
*HSAM1600 Fundamentals of Health Policy	3		*HSAM3200 Health Care Accounting and Budgeting	3	
*HSAM1700 Strategic Planning for Health Care	3		*HSAM3250 Research for the Health Care Professional	3	
*HSAM1800 Marketing for Health Services Organizations	3		*HSAM4850 Undergraduate Thesis in Health Care	3	
			*HSAM4903 Internship	3	
			*INFS3440 Health Care Information System	3	

3. OPEN ELECTIVES--36 Credits Minimum

HSMG2400 Medical Terminology	3	ALH140	_____	_____	3	NMT201
_____	3	PHY125	_____	_____	3	NMT206
BIOL1220 Anatomy & Physiology 2	3	BIO162	NURS2015	Pathophysiology	3	BIO241
CHEM1210 General Chemistry	3	CHM151	_____	_____	3	NMT202
_____	3	NMT102	_____	_____	3	NMT204
_____	3	PHY126	_____	_____	3	NMT270

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

NURSING

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology I (BIOL1215) (Natural Science Elective)
MAT108	Intermediate Algebra	MATH1010	College Mathematics
NUR110	Foundation & Health Promotion Concepts for Nursing Practice		Open Elective (6 credits)
NUR120	Health Assessment Concepts for Nursing Practice		Not Applicable
PSY101	Introduction to Psychology	PSYC1010	General Psychology
Second Semester			
BIO162	Anatomy & Physiology 2	BIOL1220	Anatomy & Physiology II (BIOL1225) (Open Elective)
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies
NUR130	Basic Health Concepts for Nursing Practice		Open Elective (6 credits)
NUR140	Evidence Based Nursing Drug Therapy		Open Elective
PSY108	Human Growth & Development	PSYC3550	Human Growth & Develop. (Open Elec.)
Summer			
BIO175	Microbiology	BIOL2370	Microbiology (BIOL2380) (Open Elective)
Third Semester			
ENG102	English Composition 2	COSO1221	Argument & Research Strategies
NUR210	Professional Nursing Concepts		Not Applicable
NUR220	Adult Health Concepts for Nursing Practice		Open Elective
NUR230	Family Health Concepts for Nursing Practice		Open Elective
Fourth Semester			
NUR240	Complex Health Concepts for Nursing Practice		Open Elective
NUR250	Leadership & Management Concepts Humanities Elec. (ART, MUS, PHL, THE, DAN)	HUMA1010	Open Elective Humanities: Art and Music

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)
- CIT100 Computer Fundamentals and Applications

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO1220	College Reading & Writing Strategies	3	ENG101
COSO1221	Argument and Research Strategies	3	ENG102
COSO2220	Speaking Strategies	3	
COSO2230	Business Professional Communication	3	
ECON1010	Survey of Economics or	3	
ECON1020	Principles of Macroeconomics	3	
HIST_____	History Elective** or	3	
POLS_____	Political Science Elective**	3	

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

HUMA1010	Humanities: Art and Music	3	TRAN
INFS1020	Intro to Decision Support Systems	3	
LITO_____	Literature Elective	3	
MATH1010	College Mathematics	3	MAT108
PSYC1010	General Psychology	3	PSY101
SOCI1010	Principles of Sociology or	3	
SOCI1020	Contemporary American Social Problems	3	
_____	Natural Science Elective	3	BIO161

2. MAJOR—45 Credits

*HSAM1250	Health Administration Intro/Level I	3	
*HSAM1300	Health Services Administration II	3	
*HSAM1400	Introduction to Managed Care	3	
*HSAM1500	Health Care Financial Administration	3	
*HSAM1600	Fundamentals of Health Policy	3	
*HSAM1700	Strategic Planning for Health Care	3	
*HSAM1800	Marketing for Health Services Organizations	3	

*HSAM1900	Human Resource Administration in Health Care	3	
*HSAM2000	Health Care Law and Ethics	3	
*HSAM2100	Basic Principles of Health Economics	3	
*HSAM3200	Health Care Accounting and Budgeting	3	
*HSAM3250	Research for the Health Care Professional	3	
*HSAM4850	Undergraduate Thesis in Health Care	3	
*HSAM4903	Internship	3	
*INFS3440	Health Care Information System	3	

3. OPEN ELECTIVES--36 Credits Minimum

_____	_____	3	NUR110
_____	_____	3	NUR110
BIOL1220	Anatomy & Physiology II	3	BIO162
_____	_____	3	NUR130
_____	_____	3	NUR130
_____	_____	3	NUR140

PSYC3550	Human Growth & Development	3	PSY108
BIOL2370	Microbiology	3	BIO175
_____	_____	3	NUR220
_____	_____	3	NUR230
_____	_____	3	NUR240
_____	_____	3	NUR250

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

OCCUPATIONAL THERAPY ASSISTANT

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology I (BIOL1215) (Natural Science Elective)
ENG101	English Composition 1	COSO1220	College Ready & Writing Strategies (Open Elective)
OTA101	Introduction to Occupational Therapy		Open Elective
PSY101	Introduction to Psychology Computer Info Tech Elec. (1 cr.)	PSYC1010	General Psychology Open Elective (Combined with 1 cr. Labs BIOL1215 & BIOL1225)
Second Semester			
BIO162	Anatomy & Physiology 2	BIOL1220	Anatomy & Physiology II (BIOL1225) (Open Elective)
ENG102	English Composition 2	COSO1221	Argument & Research Strategies
OTA102	Occupational Therapy in Pediatrics		Open Elective
OTA112	Occupational Therapy Fieldwork 1/Pediatrics		Not Applicable
PSY108	Human Growth & Development	PSYC3550	Human Growth & Develop. (Open Elec.)
Third Semester			
OTA201	Occupational Therapy in Physical Disabilities		Open Elective
OTA211	Occupational Therapy Fieldwork 1/ Physical Disabilities		Not Applicable
PSY208	Abnormal Psychology	PSYC3700	Abnormal Psychology (Open Elective)
SPH101	Oral Communications Health & Physical Education Elective	COSO2220	Speech Strategies Not Applicable
Fourth Semester			
OTA202	Occup. Therapy in Mental Health		Open Elective
OTA203	Occup. Therapy in Aging Population		Open Elective
OTA204	Occup. Therapy Professional Issues		Not Applicable
OTA212	Occup. Therapy Fieldwork 1/ Mental Health		Not Applicable
OTA213	Occup. Therapy Fieldwork 1/ Aging Population		Not Applicable
MAT108	Intermediate Algebra (Mathematics Elective)	MATH1010	College Mathematics
Summer			
OTA221	OT Fieldwork 2A		Open Elective
OTA222	OT Fieldwork 2B		Open Elective

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- Any ART, MUS, PHL, THE or DAN course (3crs.)
- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO2221 Intercultural Communication Strategies 3____	HUMA1010 Humanities: Art and Music 3____
COSO1221 Argument and Research Strategies 3ENG102	INFS1020 Intro to Decision Support Systems 3____
COSO2220 Speaking Strategies 3SPH101	LITO_____ Literature Elective 3____
COSO2230 Business Professional Communication 3____	MATH1010 College Mathematics 3MAT108
ECON1010 Survey of Economics or 3____	PSYC1010 General Psychology 3PSY101
ECON1020 Principles of Macroeconomics	SOCI1010 Principles of Sociology or 3____
HIST_____ History Elective** or 3____	SOCI1020 Contemporary American Social Problems
POLS_____ Political Science Elective**	_____ Natural Science Elective 3BIO161
(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)	

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I 3____	*HSAM1900 Human Resource Administration in Health Care 3____
*HSAM1300 Health Services Administration II 3____	
*HSAM1400 Introduction to Managed Care 3____	*HSAM2000 Health Care Law and Ethics 3____
*HSAM1500 Health Care Financial Administration 3____	*HSAM2100 Basic Principles of Health Economics 3____
*HSAM1600 Fundamentals of Health Policy 3____	*HSAM3200 Health Care Accounting and Budgeting 3____
*HSAM1700 Strategic Planning for Health Care 3____	*HSAM3250 Research for the Health Care Professional 3____
*HSAM1800 Marketing for Health Services Organizations 3____	*HSAM4850 Undergraduate Thesis in Health Care 3____
	*HSAM4903 Internship 3____
	*INFS3440 Health Care Information System 3____

3. OPEN ELECTIVES--36 Credits Minimum

COSO1220 College Reading & Writing Strategies 3____	_____ 3OTA201
_____ 3OTA101	PSYC3700 Abnormal Psychology 3PSY208
_____ 3CIT Elec./BIOL1215/BIOL1225	_____ 3OTA202
BIOL1220 Anatomy & Physiology 2 3BIO162	_____ 3OTA203
_____ 3OTA102	_____ 3OTA221
PSYC3550 Human Growth & Development 3PSY108	_____ 3OTA222

IMPORTANT NOTES:

Up to 51 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

PARAMEDIC

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology I (BIOL1215) (Natural Science Elective.)
PAM101	Foundations of Paramedic Practice		Open Elective
PAM102	Airway Management & Pharmacology		Open Elective
PAM112	Paramedic Clinical 1		Open Elective (Combined with PAM116)
Second Semester			
BIOL162	Anatomy & Physiology 2	BIOL1220	Anatomy & Physiology II (BIOL1225) Not Applicable
PAM103	Cardiology & Pulmonology		Open Elective
PAM104	Shock & Trauma		Open Elective
PAM105	Special Patient Populations		Open Elective
PAM116	Paramedic Clinical 2		Open Elective (Combined with PAM112)
Summer			
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies (Open Elective)
PSY101	Introduction to Psychology	PSYC1010	Introduction to Psychology
Third Semester			
PAM201	Medical Emergencies		Open Elective**
PAM202	Integrated Paramedic Concepts		Open Elective (Combined with PAM213)
PAM213	Paramedic Clinical 3		Open Elective (Combined with PAM202)
PAM214	Paramedic Field Externship		Open Elective**
Fourth Semester			
PSY108	Human Growth & Development	PSYC3550	Human Growth & Development (Open Elective)
ENG102	English Composition 2	COSO1221	Argument and Research Strategies
SPH101	Oral Communication	COSO2220	Speaking Strategies
CIT100	Computer Fundamentals & Applications (Computer Information Technology Elective)	INFS1020	Intro to Decision Support Systems
MAT108	Intermediate Algebra (Mathematics Elective)	MATH1010	College Mathematics

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

** Additional combined credits from these courses will make up additional open elective.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- Any ART, MUS, PHL, THE or DAN course (3crs.)
- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)

ROBERT MORRIS UNIVERSITY

**ACADEMIC REQUIREMENTS FOR
Bachelor of Science Degree**

**School: Nursing and Health Sciences
Department: Health Sciences**

**Major: HEALTH SERVICES ADMINISTRATION(ONLINE)
Minimum Credits Required - 120**

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO2221 Intercultural Communication Strategies 3____	HUMA1010 Humanities: Art and Music 3____
COSO1221 Argument and Research Strategies 3ENG102	INFS1020 Intro to Decision Support Systems 3CIT100
COSO2220 Speaking Strategies 3SPH101	LITO____ Literature Elective 3____
COSO2230 Business Professional Communication 3____	MATH1010 College Mathematics 3MAT108
ECON1010 Survey of Economics or 3____	PSYC1010 General Psychology 3PSY101
ECON1020 Principles of Macroeconomics 3____	SOCI1010 Principles of Sociology or 3____
HIST____ History Elective** or 3____	SOCI1020 Contemporary American Social Problems
POLS____ Political Science Elective**	____ Natural Science Elective 3BIO161

(*Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I 3____	*HSAM1900 Human Resource Administration in Health Care 3____
*HSAM1300 Health Services Administration II 3____	
*HSAM1400 Introduction to Managed Care 3____	*HSAM2000 Health Care Law and Ethics 3____
*HSAM1500 Health Care Financial Administration 3____	*HSAM2100 Basic Principles of Health Economics 3____
*HSAM1600 Fundamentals of Health Policy 3____	*HSAM3200 Health Care Accounting and Budgeting 3____
*HSAM1700 Strategic Planning for Health Care 3____	*HSAM3250 Research for the Health Care Professional 3____
*HSAM1800 Marketing for Health Services Organizations 3____	*HSAM4850 Undergraduate Thesis in Health Care 3____
	*HSAM4903 Internship 3____
	*INFS3440 Health Care Information System 3____

3. OPEN ELECTIVES--36 Credits Minimum

____ 3PAM101	____ 3PAM201/PAM214
____ 3PAM102	COSO1220 College Reading & Writing Strategies 3ENG101
____ 3PAM112/PAM116	____ 3PAM201
____ 3PAM103	____ 3PAM202/PAM213
____ 3PAM104	____ 3PAM214
____ 3PAM105	PSYC3550 Human Growth & Development 3PSY108

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

PHARMACY TECHNICIAN

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
ALH140	Medical Terminology	HSMG2400	Medical Terminology (Open Elective)
BIO103	Introduction to Human Biology	BIOL1250	Fund of Human Biology/Health (Natural Science Elective)
CIT100	Computer Fundamentals & Applications	INFS1020	Intro to Decision Support Systems
PHT100	Introduction to Pharmacy Practice		Open Elective
PHT101	Pharmacology 1 for Pharmacy Tech		Open Elective
Second Semester			
PHT102	Pharmacology 2 for Pharmacy Tech		Open Elective
PHT103	Pharmacy Practice 1		Open Elective
PHT104	Pharmacy Product Preparation 1		Open Elective
PHT105	Pharmacy Product Preparation 2		Open Elective
PHT202	Pharmacy Law		Not Applicable
Third Semester			
PHT106	Pharmacy Product Preparation 3		Not Applicable
PHT201	Pharmacy Tech Externship		Open Elective (6 credits)
PHT203	Pharmacy Seminar		Not Applicable
Fourth Semester			
CIT140	Office Productivity Applications	INFS2412	Desktop Publishing (Open Elective)
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies
MAT193	Pharmaceutical Mathematics		Open Elective
	Health & Physical Education Elective		Not Applicable
Fifth Semester			
BUS210	Principles of Retailing		Business Admin Elec. (Open Elective)
ENG102	English Composition	COSO1221	Argument and Research Strategies
	Humanities Elective (Any ART, MUS, PHL, THE or DAN course)	HUMA1010	Humanities: Art and Music
PSY101	Introduction to Psychology (Social Sc. Elec.)	PSYC1010	General Psychology

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO1220 College Reading & Writing Strategies	3ENG101	HUMA1010 Humanities: Art and Music	3TRAN
COSO1221 Argument and Research Strategies	3ENG102	INFS1020 Intro to Decision Support Systems	3CIT100
COSO2220 Speaking Strategies	3____	LITO____ Literature Elective	3____
COSO2230 Business Professional Communication	3____	MATH1010 College Mathematics	3____
ECON1010 Survey of Economics or	3____	PSYC1010 General Psychology	3PSY101
ECON1020 Principles of Macroeconomics		SOCI1010 Principles of Sociology or	3____
HIST____ History Elective** or	3____	SOCI1020 Contemporary American Social Problems	
POLS____ Political Science Elective**		_____ Natural Science Elective	3BIO103

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I	3____	*HSAM1900 Human Resource Administration in Health Care	3____
*HSAM1300 Health Services Administration II	3____		
*HSAM1400 Introduction to Managed Care	3____	*HSAM2000 Health Care Law and Ethics	3____
*HSAM1500 Health Care Financial Administration	3____	*HSAM2100 Basic Principles of Health Economics	3____
*HSAM1600 Fundamentals of Health Policy	3____	*HSAM3200 Health Care Accounting and Budgeting	3____
*HSAM1700 Strategic Planning for Health Care	3____	*HSAM3250 Research for the Health Care Professional	3____
*HSAM1800 Marketing for Health Services Organizations	3____	*HSAM4850 Undergraduate Thesis in Health Care	3____
		*HSAM4903 Internship	3____
		*INFS3440 Health Care Information System	3____

3. OPEN ELECTIVES--36 Credits Minimum

HSMG2400 Medical Terminology	3ALH140	_____	_____	3PHT105
_____	3PHT100	_____	_____	3PHT201
_____	3PHT101	_____	_____	3PHT201
_____	3PHT102	INFS2412 Desktop Publishing	_____	3CIT140
_____	3PHT103	_____	_____	3MAT193
_____	3PHT104	_____	_____	3BUS210

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

PHYSICAL THERAPIST ASSISTANT

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
BIO160	Introduction to Human Pathology		Natural Science Elective
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology I (Open Elective)
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies (Open Elective)
PSY101	Introduction to Psychology	PSYC1010	General Psychology
PTA101	Introduction to Physical Therapy		Open Elective
Second Semester			
BIO162	Anatomy & Physiology 2	BIOL1220	Anatomy & Physiology II (Open Elective)
ENG102	English Composition 2	COSO1221	Argument and Research Strategies
PTA102	Physical Therapy Principles & Proc 1		Open Elective
PTA103	Physical Therapy Principles & Proc 2		Open Elective
PTA112	Physical Therapy Clinical Observation Health & Physical Education Elective		Not Applicable
Summer			
MAT108	Intermediate Algebra (Mathematics Elective)	MATH1010	College Mathematics
Third Semester			
PSY108	Human Growth & Development	PSYC3550	Human Growth & Development (Open Elective)
PTA201	Physical Therapy Principles & Proc 3		Open Elective
PTA202	Physical Therapy Professional Issues Sem		Open Elective (Combined with PTA211) *
PTA203	Specialty Topics in Physical Therapy		Open Elective
PTA211	Physical Therapy Clinical Education 1		Open Elective (Combined with PTA202) *
SPH101	Oral Communication	COSO2220	Speaking Strategies
Fourth Semester			
PTA212	Physical Therapy Clinical Education 2		Open Elective
PTA213	Physical Therapy Clinical Education 3		Open Elective
PTA215	Physical Therapy Profession Exploration		Not Applicable

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

* These two 2 credit courses will be combined to make up for one open elective.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- Any ART, MUS, PHL, THE or DAN course (3crs.)
- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO2221 Intercultural Communication Strategies 3____	HUMA1010 Humanities: Art and Music 3____
COSO1221 Argument and Research Strategies 3ENG102	INFS1020 Intro to Decision Support Systems 3____
COSO2220 Speaking Strategies 3SPH101	LITO____ Literature Elective 3____
COSO2230 Business Professional Communication 3____	MATH1010 College Mathematics 3MAT108
ECON1010 Survey of Economics or 3____	PSYC1010 General Psychology 3PSY101
ECON1020 Principles of Macroeconomics	SOCI1010 Principles of Sociology or 3____
HIST____ History Elective** or 3____	SOCI1020 Contemporary American Social Problems
POLS____ Political Science Elective**	____ Natural Science Elective 3BIO160
(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)	

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I 3____	*HSAM1900 Human Resource Administration in Health Care 3____
*HSAM1300 Health Services Administration II 3____	
*HSAM1400 Introduction to Managed Care 3____	*HSAM2000 Health Care Law and Ethics 3____
*HSAM1500 Health Care Financial Administration 3____	*HSAM2100 Basic Principles of Health Economics 3____
*HSAM1600 Fundamentals of Health Policy 3____	*HSAM3200 Health Care Accounting and Budgeting 3____
*HSAM1700 Strategic Planning for Health Care 3____	*HSAM3250 Research for the Health Care Professional 3____
*HSAM1800 Marketing for Health Services Organizations 3____	*HSAM4850 Undergraduate Thesis in Health Care 3____
	*HSAM4903 Internship 3____
	*INFS3440 Health Care Information System 3____

3. OPEN ELECTIVES--36 Credits Minimum

BIOL1210 Anatomy & Physiology I 3BIO161	PSYC3550 Human Growth & Development 3PSY108
COSO1220 College Reading & Writing Strategies 3ENG101	____ 3PTA201
____ 3PTA101	____ 3PTA202/PTA211
BIOL1220 Anatomy & Physiology II 3BIO162	____ 3PTA203
____ 3PTA102	____ 3PTA212
____ 3PTA103	____ 3PTA213

IMPORTANT NOTES:

Up to 51 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

RADIATION THERAPY TECHNOLOGY

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
ALH140	Medical Terminology	HSMG2400	Medical Terminology (Open Elective)
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology 1 (Nat'l Sc. Elec.)
MAT142	Pre-calculus	MATH1020	Pre-Calculus (MATH 1010)
PHY125	Applied Nuclear Physics		Open Elective
RTT101	Radiation Therapy Orientation		Open Elective (Combined with RTT111)
RTT111	Radiation Therapy Skills Lab		Open Elective (Combined with RTT101)
Second Semester			
BIO162	Anatomy & Physiology 2	BIOL1220	Anatomy & Physiology 2 (Open Elective)
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies
PHY126	Radiation Physics & Protection		Open Elective
PSY101	Introduction to Psychology	PSYC1010	General Psychology
RTT102	Fundamentals of Radiation Therapy		Open Elective (Combined with RTT112)
RTT112	Fundamentals of Radiation Therapy Clinical		Open Elective (Combined with RTT102)
Summer			
RTT120	Applied Radiation Therapy 1		Not Applicable
Third Semester			
BIO212	Radiobiology		Not Applicable
BIO241	Pathophysiology	NURS2015	Pathophysiology (Open Elective)
ENG102	English Composition 2	COSO1221	Argument and Research Strategies
RTT201	Theoretical Radiation Therapy 1		Open Elective
RTT202	Radiation Therapy Clinical Practicum 1		Open Elective
Fourth Semester			
RTT211	Theoretical Radiation Therapy 2		Open Elective
RTT212	Radiation Therapy Clinical Practicum 2		Open Elective
RTT215	Medical Imaging & Simulation		Not Applicable
RTT218	Radiation Oncology		Open Elective
RTT219	Radiation Seminar		Not Applicable
	Humanities Elec. (ART, MUS, PHL, THE, DAN)	HUMA1010	Humanities: Art and Music
Summer			
RTT220	Radiation Therapy Externship		Not Applicable

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)
- CIT100 Computer Fundamentals & Applications (3crs.)

ROBERT MORRIS UNIVERSITY**ACADEMIC REQUIREMENTS FOR
Bachelor of Science Degree****School: Nursing and Health Sciences****Major: HEALTH SERVICES ADMINISTRATION(ONLINE)****Department: Health Sciences****Minimum Credits Required - 120****1. ROBERT MORRIS UNIVERSITY CORE--39 Credits**

COSO1220 College Reading & Writing Strategies	3ENG101	HUMA1010 Humanities: Art and Music	3TRAN
COSO1221 Argument and Research Strategies	3ENG102	INFS1020 Intro to Decision Support Systems	3
COSO2220 Speaking Strategies	3	LITO Literature Elective	3
COSO2230 Business Professional Communication	3	MATH1010 College Mathematics	3MAT142
ECON1010 Survey of Economics or	3	PSYC1010 General Psychology	3PSY101
ECON1020 Principles of Macroeconomics		SOCI1010 Principles of Sociology or	3
HIST History Elective** or	3	SOCI1020 Contemporary American Social Problems	
POLS Political Science Elective**		Natural Science Elective	3BIO161

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I	3	*HSAM1900 Human Resource Administration in Health Care	3
*HSAM1300 Health Services Administration II	3	*HSAM2000 Health Care Law and Ethics	3
*HSAM1400 Introduction to Managed Care	3	*HSAM2100 Basic Principles of Health Economics	3
*HSAM1500 Health Care Financial Administration	3	*HSAM3200 Health Care Accounting and Budgeting	3
*HSAM1600 Fundamentals of Health Policy	3	*HSAM3250 Research for the Health Care Professional	3
*HSAM1700 Strategic Planning for Health Care	3	*HSAM4850 Undergraduate Thesis in Health Care	3
*HSAM1800 Marketing for Health Services Organizations	3	*HSAM4903 Internship	3
		*INFS3440 Health Care Information System	3

3. OPEN ELECTIVES--36 Credits Minimum

HSMG2400 Medical Terminology	3ALH140	NURS2015 Pathophysiology	3BIO241
	3PHY125		3RTT201
	3RTT111/RTT101		3RTT202
BIOL1220 Anatomy & Physiology 2	3BIO162		3RTT211
	3PHY126		3RTT212
	3RTT112/RTT102		3RTT218

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

RADIOLOGIC TECHNOLOGIST

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology I (BIOL1215)
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies
MAT108	Intermediate Algebra	MATH1010	College Mathematics
RAD107	Radiologic Tech 1 Dance Elective)
Second Semester			
BIO162	Anatomy & Physiology 2	BIOL1220	Anatomy & Physiology 2 (BIOL1225) (Open Elective)
ENG102	English Composition 2	COSO1221	Argument and Research Strategies
RAD108	Radiologic Technology Clinical 1		Open Elective
RAD157	Radiologic Technology 2		Open Elective
	Humanities Elec. (ART, MUS, PHL, THE, DAN)	HUMA1010	Humanities: Art and Music
Summer			
PHY100	Basic Physics		Open Elective
RAD158	Radiologic Technology Clinical 2		Open Elective
Third Semester			
PHY128	Physics Health Science/Radiography		Open Elective
RAD207	Radiologic Technology 3		Open Elective
RAD208	Radiologic Technology Clinical 3		Open Elective
PSY101	Intro to Psychology (Social Science Elective)	PSYC1010	General Psychology
Fourth Semester			
RAD217	Radiologic Technology 4		Open Elective
RAD218	Radiologic Technology Clinical 4		Open Elective (6 credits)
Summer			
RAD258	Radiologic Technology Clinical 5		Open Elective

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)
- CIT100 Computer Fundamentals and Applications

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO1220 College Reading & Writing Strategies	3ENG101	HUMA1010 Humanities: Art and Music	3TRAN
COSO1221 Argument and Research Strategies	3ENG102	INFS1020 Intro to Decision Support Systems	3____
COSO2220 Speaking Strategies	3____	LITO____ Literature Elective	3____
COSO2230 Business Professional Communication	3____	MATH1010 College Mathematics	3MAT108
ECON1010 Survey of Economics or	3____	PSYC1010 General Psychology	3PSY101
ECON1020 Principles of Macroeconomics		SOCI1010 Principles of Sociology or	3____
HIST____ History Elective** or	3____	SOCI1020 Contemporary American Social Problems	
POLS____ Political Science Elective**		_____ Natural Science Elective	3BIO161

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I	3____	*HSAM1900 Human Resource Administration in Health Care	3____
*HSAM1300 Health Services Administration II	3____		
*HSAM1400 Introduction to Managed Care	3____	*HSAM2000 Health Care Law and Ethics	3____
*HSAM1500 Health Care Financial Administration	3____	*HSAM2100 Basic Principles of Health Economics	3____
*HSAM1600 Fundamentals of Health Policy	3____	*HSAM3200 Health Care Accounting and Budgeting	3____
*HSAM1700 Strategic Planning for Health Care	3____	*HSAM3250 Research for the Health Care Professional	3____
*HSAM1800 Marketing for Health Services Organizations	3____	*HSAM4850 Undergraduate Thesis in Health Care	3____
		*HSAM4903 Internship	3____
		*INFS3440 Health Care Information System	3____

3. OPEN ELECTIVES--36 Credits Minimum

BIOL1220 Anatomy & Physiology 2	3BIO162	_____	_____	3RAD207
_____	3RAD108	_____	_____	3RAD208
_____	3RAD157	_____	_____	3RAD217
_____	3PHY100	_____	_____	3RAD218
_____	3RAD158	_____	_____	3RAD218
_____	3PHY128	_____	_____	3RAD258

IMPORTANT NOTES:

Up to 54 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

RESPIRATORY THERAPY

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies Natural Science Elective Open Elective Open Elective
PHY123	Physics for the Health Sciences/ Respiratory Care		
RES111	Respiratory Care Equipment 1		
RES113	Respiratory Therapy 1		
Second Semester			
BIO209	Cardiopulmonary Anatomy & Physiology	COSO1221	Open Elective English Composition 2 Open Elective Open Elective
ENG102	English Compositon 2		
RES112	Respiratory Equipment 2		
RES114	Respiratory Therapy 2		
Summer			
RES115	Fundamentals of Clinical Practice		Not Applicable Not Applicable Open Elective Not Applicable
RES116	Pulmonary Diagnostic Procedures		
RES117	Pulmonary & Related Pathology		
RES118	Respiratory Pharmacology		
Third Semester			
PSY101	Introduction to Psychology	PSYC1010	General Psychology Open Elective Open Elective (9 credits)
RES202	Medical Aspects of Respiratory Therapy		
RES211	Respiratory Therapist Clinical 1		
Fourth Semester			
RES212	Respiratory Therapist Clinical 2 Humanities Elec.(ART, MUS, PHL, THE, DAN)	HUMA1010	Open Elective (6 credits) Humanities: Art & Music

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)
- MAT108 Intermediate Algebra or MAT111 College Algebra

ROBERT MORRIS UNIVERSITY**ACADEMIC REQUIREMENTS FOR****Bachelor of Science Degree****School: Nursing and Health Sciences****Major: HEALTH SERVICES ADMINISTRATION(ONLINE)****Department: Health Sciences****Minimum Credits Required - 120****1. ROBERT MORRIS UNIVERSITY CORE--39 Credits**

COSO1220 College Reading & Writing Strategies	3	ENG101	HUMA1010 Humanities: Art and Music	3	TRAN
COSO1221 Argument and Research Strategies	3	ENG102	INFS1020 Intro to Decision Support Systems	3	
COSO2220 Speaking Strategies	3		LITO_____ Literature Elective	3	
COSO2230 Business Professional Communication	3		MATH1010 College Mathematics	3	
ECON1010 Survey of Economics or	3		PSYC1010 General Psychology	3	PSY101
ECON1020 Principles of Macroeconomics			SOCI1010 Principles of Sociology or	3	
HIST_____ History Elective** or	3		SOCI1020 Contemporary American Social Problems		
POLS_____ Political Science Elective**			_____ Natural Science Elective		3PHY123

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I	3		*HSAM1900 Human Resource Administration in Health Care	3	
*HSAM1300 Health Services Administration II	3				
*HSAM1400 Introduction to Managed Care	3		*HSAM2000 Health Care Law and Ethics	3	
*HSAM1500 Health Care Financial Administration	3		*HSAM2100 Basic Principles of Health Economics	3	
*HSAM1600 Fundamentals of Health Policy	3		*HSAM3200 Health Care Accounting and Budgeting	3	
*HSAM1700 Strategic Planning for Health Care	3		*HSAM3250 Research for the Health Care Professional	3	
*HSAM1800 Marketing for Health Services Organizations	3		*HSAM4850 Undergraduate Thesis in Health Care	3	
			*HSAM4903 Internship	3	
			*INFS3440 Health Care Information System	3	

3. OPEN ELECTIVES--36 Credits Minimum

_____	_____	3RES111	_____	_____	3RES202
_____	_____	3RES113	_____	_____	3RES211
_____	_____	3BIO209	_____	_____	3RES211
_____	_____	3RES112	_____	_____	3RES211
_____	_____	3RES114	_____	_____	3RES212
_____	_____	3RES117	_____	_____	3RES212

IMPORTANT NOTES:

Up to 51 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student's Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student's "academic" School) to meet one of the requirements for graduation. These courses called "Communication Skills Intensive" are integrated into the degree as part of the "major" areas of the checksheet.

SURGICAL TECHNOLOGIST

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semester			
BIO123	Medical Biology & Terminology		Natural Science Elective
BIO151	General Biology 1	BIOL1310	Principles of Biology (BIOL1315) (Open Elective)
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies (Open Elective)
PSY101	Introduction to Psychology	PSYC1010	General Psychology
SUR110	Surgical & Central Service Technology		Open Elective
Second Semester			
BIO175	Microbiology	BIOL2370	Microbiology (BIOL2380) (Open Elective)
ENG102	English Composition 2	COSO1221	Argument & Research Strategies Open Elective
MAT106	Mathematics for Health Science ***		Open Elective
SPH101	Oral Communication	COSO2220	Speaking Strategies Open Elective (6 credits)
SUR120	Surgical Technology 2		
Third Semester			
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology I (BIOL1215) (Open Elective)
SUR230	Surgical Technology 3		Open Elective (6 credits)
SUR231	Surgical Technology Clinical 1		Open Elective (6 credits)
Fourth Semester			
BIO162	Anatomy & Physiology 2	BIOL1220	Anatomy & Physiology II (BIOL1225) (Not Applicable)
SUR240	Surgical Technology 4		Not Applicable
SUR241	Surgical Technology Clinical 2		Not Applicable

****Please Note :**

Any of these courses in any order will transfer in and apply up to a maximum of 36 credits in Open Electives.

***Students are encouraged to seek course substitution for MAT106 with either MAT108 or MAT111

A maximum of 69 credits may be applied to a degree program at RMU. The following are some suggested additional courses to take:

- Any ART, MUS, PHL, THE or DAN course (3crs.)
- SOC101 Introduction to Sociology or SOC212 Social Problems (3crs.)
- ECO102 Principles of Macroeconomics or ECO103 Principles of Microeconomics (3crs.)
- Any HIS or POL course (3crs.)

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

Minimum Credits Required - 120

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO2221 Intercultural Communication Strategies	3	HUMA1010 Humanities: Art and Music	3
COSO1221 Argument and Research Strategies	3	INFS1020 Intro to Decision Support Systems	3
COSO2220 Speaking Strategies	3	LITO_____ Literature Elective	3
COSO2230 Business Professional Communication	3	MATH1010 College Mathematics	3
ECON1010 Survey of Economics or	3	PSYC1010 General Psychology	3
ECON1020 Principles of Macroeconomics	3	SOCI1010 Principles of Sociology or	3
HIST_____ History Elective** or	3	SOCI1020 Contemporary American Social Problems	3
POLS_____ Political Science Elective**	3	_____ Natural Science Elective	3

(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)

2. MAJOR—45 Credits

*HSAM1250 Health Administration Intro/Level I	3	*HSAM1900 Human Resource Administration in Health Care	3
*HSAM1300 Health Services Administration II	3	*HSAM2000 Health Care Law and Ethics	3
*HSAM1400 Introduction to Managed Care	3	*HSAM2100 Basic Principles of Health Economics	3
*HSAM1500 Health Care Financial Administration	3	*HSAM3200 Health Care Accounting and Budgeting	3
*HSAM1600 Fundamentals of Health Policy	3	*HSAM3250 Research for the Health Care Professional	3
*HSAM1700 Strategic Planning for Health Care	3	*HSAM4850 Undergraduate Thesis in Health Care	3
*HSAM1800 Marketing for Health Services Organizations	3	*HSAM4903 Internship	3
		*INFS3440 Health Care Information System	3

3. OPEN ELECTIVES--36 Credits Minimum

BIOL1310 Principles of Biology	3	BIOL1210 Anatomy & Physiology I	3
COSO1220 College Reading & Writing Strategies	3	_____	3
_____	3	_____	3
BIOL2370 Microbiology	3	_____	3
_____	3	_____	3
_____	3	_____	3

IMPORTANT NOTES:

Up to 48 credits apply to this degree program at CCAC.

A minimum Q.P.A. of 2.00 or higher is required for graduation.

A minimum grade of C must be earned in each course identified with an asterisk.

All students must take 12 credits of Communication Skills as part of the RMU Core Curriculum. Depending upon placement testing scores, students will take COSO1220 or COSO2221 in addition to COSO1221, COSO2220, and COSO2230. If placed in COSO1220, a student’s Core requirements are Communication Skills COSO1220, COSO1221, COSO2220, and COSO2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student’s Core requirements are Communication Skills COSO1221, COSO2220, COSO2221, and COSO2230. Upon completion of the COSK courses, students must complete a component of courses (the specific number is determined by the student’s “academic”School) to meet one of the requirements for graduation. These courses called “Communication Skills Intensive” are integrated into the degree as part of the “major” areas of the checksheet.