# 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 President	Date	Christopher B. Howard, D.Phil. President	Date

# ANESTHESIA TECHNOLOGIST

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS				
CCAC COURSES		RMU EQUIVALENT		
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE	
First Semes				
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 Sem	nester (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	
	ster (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) *	
CID (100			Open Elective	
CHM109	Introduction to Chemistry	III IN # A 1010	Open Elective	
	Humanities Elec.(ART, MUS, PHL, THE, DAN)	HUMA1010	Humanities: Art and Music	
Fourth Sem	ester (Fall)			
ANE220	Professional Issues for the Anes. Tech.		Not Applicable	
ANE221	Anesthesia Technology Clinical 3		Open Elective	
ANE222	Anesthesia Technology Clinical 4		Open Elective	
TH (EEEE	i	1		

<sup>\*\*</sup>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.

- 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

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

**School: Nursing and Health Sciences** 

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences Minimum Credits Required - 120

Department.	realth Sciences			William Creats Requi	16u - 120
1. ROBERT 1	MORRIS UNIVERSITY CORE39	9 Credits			
COSO1220	College Reading & Writing Strat.	3ENG101	HUMA1010	Humanities: Art and Music	3TRAN
COSO1221	Argument and Research Strategies	3ENG101 3ENG102	INFS1020	Intro to Decision Support Systems	3
COSO2220	Speaking Strategies	3	LITO	Literature Elective	3
COSO2220				College Mathematics	3TRAN
ECON1010		3	PSYC1010		3PSY101
		3	SOCI1010	<i>j Uj</i>	3
HIST	Principles of Macroeconomics History Elective** or	3	SOCI1010 SOCI1020	Principles of Sociology or	
	Political Science Elective**	3	SOC11020	Contemporary American Social Problem Natural Science Elective	
POLS	m: HIST1100, HIST1200, HIST1500, HIST16	00		Natural Science Elective	3TRAN
	IST1800 or POLS1020)	ου,			
2. MAJOR—	-45 Credits		<u> </u>		
*HSAM1250	Health Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
	Health Services Administration II	3	11011111100	Health Care	<u> </u>
	Introduction to Managed Care	3	*HSAM2000	Health Care Law and Ethics	3
	Health Care Financial Administration	3	*HSAM2100		3
	Fundamentals of Health Policy	3		Heath Care Accounting and Budgeting	3
	Strategic Planning for Health Care	3	*HSAM3250	Research for the Health Care Profession	3 al 3
	Marketing for Health Services	3	*HSAM4850		3
110711111000	Organizations	5	*HSAM4903	Internship	3
	Organizations		*INFS3440	Health Care Information System	3
3. OPEN ELI	ECTIVES36 Credits Minimum			,	<del></del>
		3ANE110			3ANE214
		3ANE111	BIOL1220	Anatomy and Physiology II	3BIO162
		3/ANE213			3CHM109
		3ANE114			3ANE221
		3ANE116			3ANE222
BIOL1210	Anatomy and Physiology I	3BIO161		(Combined Lab credits)	3TRAN
_1021210				(	

### **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 BREAKI	DOWN OF CO	•
	CCAC COURSES		RMU EQUIVALENT
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
	e-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 Semest	ter		
DMS102	Introduction to Clinical Experience:		Open Elective
	Patient Care & Ethical/Legal Issues		
DMS105	Cross-sectional Anatomy for		Open Elective
	Ultrasonography		
ENG102	Argument and Research	COSO1221	Argument and Research Strategies
	Humanities Elec.(ART, MUS, PHL, THE, DAN)	HUMA1010	Humanities: Art & Music
		1	
Second Sem	nester		
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
	, 5	1	,
Summer			
DMS115	Ultrasound Clinical 2/Abdomen-OB/GYN		Not Applicable
			**
Third Semes	ster		
DMS203	Advanced Abdomen & small Parts		Open Elective
	Ultrasound		
DMS210	Ultrasound Instrumentation &		Open Elective
	Quality Control		
DMS223	Ultrasound Clinical 3/Abdomen-		Open Elective
21/12/20	OB/GYN		
	1	1	I
Fourth Seme	ester		
DMS225	Ultrasound Clinical 4/Abdomen-OB/GYN		Open Elective
DMS223	Advanced OB/GYN Ultrasound		Not Applicable
DMS227 DMS228	Doppler Vascular Sonography		Not Applicable Not Applicable
**Planca Nat			TYOU Applicable

<sup>\*\*</sup>Please Note:

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

- \* 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

ACADEMIC REQUIREMENTS FOR

**Bachelor of Science Degree** 

Major: HEALTH SERVICES ADMINISTRATION(ONLINE) **School: Nursing and Health Sciences** 

· ·	i. HEALTH SERVICES ADMINISTRATION (ONLINE)
Department: Health Sciences	Minimum Credits Required - 120
1. ROBERT MORRIS UNIVERSITY CORE39 Credits	
COSO1220 College Reading & Writing Strat. 3ENG1	
COSO1221 Argument and Research Strategies 3ENG10	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	
2. Million is credits	
*HSAM1250 Health Administration Intro/Level I 3_	*HSAM1900 Human Resource Administration in 3
*HSAM1300 Health Services Administration II 3_	Health Care
*HSAM1400 Introduction to Managed Care 3_	*HSAM2000 Health Care Law and Ethics 3 *HSAM2100 Basic Principles of Health Economics 3 *HSAM3200 Heath Care Accounting and Budgeting 3 *HSAM3250 Research for the Health Care Professional 3
*HSAM1500 Health Care Financial Administration 3_	*HSAM2100 Basic Principles of Health Economics 3
*HSAM1600 Fundamentals of Health Policy 3_	*HSAM3200 Heath 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 3_	*HSAM4850 Undergraduate Thesis in Health Care 3 *HSAM4903 Internship 3
Organizations	*HSAM4903 Internship 3
	*INFS3440 Health Care Information System 3
3. OPEN ELECTIVES36 Credits Minimum	·
3ALH14	
3BIO10	
3PHY10	
3DMS10	
3DMS10	
3DMS10	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 BREAKI CCAC COURSES		RMU EQUIVALENT
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
	e-Requisite Courses:	CRSETTO	COCKSE TITLE
ALH140	Medical Terminology (or BIO-123)		Open Elective
BIO161	Anatomy & Physiology 1	BIOL1310	Anatomy and Physiology I (Natl Sc. Elec.
BIO162	Anatomy & Physiology 2	BIOE1310	Open Elective
ENG101	English Composition 1	COSO1220	Reading & Writing Strategies
MAT108	Intermediate Algebra	MATH1010	College Mathematics
PHY100	Basic Physics	WIATITIOTO	Open Elective
1111100	Basic I hysics	1	Open Elective
First Semes	ter		
DMS102	Introduction to Clinical Experience:		Open Elective
	Patient Care & Ethical/Legal Issues		
DMS105	Cross-sectional Anatomy for		Open Elective
	Ultrasonography		
ENG102	Argument and Research	COSO1221	Argument and Research Strategies
	Humanities Elec.(ART, MUS, PHL, THE, DAN)	HUMA1010	Humanities: Art & Music
Second Sen	T		
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 Seme	otar		
DMS204	Advanced Cardiac		Open Elective
D111020T	Ultrasound		open Elective
DMS210	Ultrasound Instrumentation &		Open Elective
D1410/210	Quality Control		Open Licenve
DMS224	Ultrasound Clinical 3/Cardiac		Open Elective
DN15224	Ottrasound Chinical 3/ Cardiac		Open Elective
		1	
Fourth Sem	•		
DMS226	Ultrasound Clinical 4/Cardiac		Open Elective
DMS228	Doppler Vascular Sonography		Not Applicable
	Recommended Elective		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.

- 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

### ACADEMIC REQUIREMENTS FOR

**Bachelor of Science Degree** 

School: Nursing and Health Sciences Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences Minimum Credits Required - 120

Department. Health Sciences			William Credits Key	un eu - 120
1. ROBERT MORRIS UNIVERSITY CORE3	9 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		MATH1010	College Mathematics	3MAT108
ECON1010 Survey of Economics or	3		General Psychology	3PSY101
ECON1020 Principles of Macroeconomics		SOCI1010	Principles of Sociology or	3
HIST History Elective** or	3	SOCI1020	Contemporary American Social Proble	ems
POLS Political Science Elective**			Natural Science Elective	3BIO161
(**Choose from: HIST1100, HIST1200, HIST1500, HIST16	500,			
HIST1700 HIST1800 or POLS1020)				
2. MAJOR—45 Credits				
*HSAM1250 Health Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
*HSAM1300 Health Services Administration II	3		Health Care	
*HSAM1400 Introduction to Managed Care	3	*HSAM2000	Health Care Law and Ethics	3
*HSAM1500 Health Care Financial Administration		*HSAM2100	Basic Principles of Health Economics	3
*HSAM1600 Fundamentals of Health Policy	3		Heath Care Accounting and Budgetin	g 3
*HSAM1700 Strategic Planning for Health Care	3	*HSAM3250	Research for the Health Care Profession	
*HSAM1800 Marketing for Health Services	3	*HSAM4850	Undergraduate Thesis in Health Care	3
Organizations		*HSAM4903	Internship	3
- <b>6</b>		*INFS3440	Health Care Information System	3
3. OPEN ELECTIVES36 Credits Minimum		I	Ţ	
	3ALH140			3DMS114
	3BIO162			3PHY127
	3PHY100			3DMS204
	3DMS102			3DMS210
	3DMS105			3DMS224
	3DMS104			3DMS226

### **IMPORTANT NOTES:**

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

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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 BREAKI CCAC COURSES		RMU EQUIVALENT
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
	e-Requisite Courses:	CRSE NO	COURSE TITLE
ALH140	Medical Terminology (or BIO-123)		Open Elective
BIO161		BIOL1310	<u> </u>
BIO162	Anatomy & Physiology 1 Anatomy & Physiology 2	BIOLISIO	Anatomy and Physiology I (Natl Sc. Elec. Open Elective
ENG101	English Composition 1	COSO1220	1 <del>-</del>
MAT108	1 0 1	MATH1010	Reading & Writing Strategies
	Intermediate Algebra	MAIHIUIU	College Mathematics
PHY100	Basic Physics		Open Elective
First Semest	ter		
DMS102	Introduction to Clinical Experience:		Open Elective
	Patient Care & Ethical/Legal Issues		
DMS105	Cross-sectional Anatomy for		Open Elective
	Ultrasonography		
ENG102	Argument and Research	COSO1221	Argument and Research Strategies
	Humanities Elec.(ART, MUS, PHL, THE, DAN)	HUMA1010	Humanities: Art & Music
Second Sem	nester		
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 Semes	otor		
DMS207	Advanced Vascular		Open Elective
DMS207	Ultrasound		Open Elective
DMS210	Ultrasound Instrumentation &		Open Florting
DM9710			Open Elective
DMS235	Quality Control Ultrasound Clinical 3/Vascular		Open Elective
DM3233	Offrasound Chinical 3/ Vascular		Open Elective
		1	1
Fourth Semo	•		T
DMS237	Ultrasound Clinical 4/Vascular		Open Elective
DMS239	Abdominal/ OB/GYN/ Cardiac Ultra		Not Applicable
	Recommended Elective		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.

- 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

ACADEMIC REQUIREMENTS FOR

**Bachelor of Science Degree** 

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

School: Nursing and Health Sciences
Department: Health Sciences

Minimum Credits Required - 120

1	ROBERT MORRIS	<b>UNIVERSITY CORE39 C</b>	redits

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	<b>Business Professional Communication</b>	n 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 Problem	ms
POLS	Political Science Elective**			Natural Science Elective	3BIO161
	n: HIST1100, HIST1200, HIST1500, HIST16	500,			
HIST1700 H	IST1800 or POLS1020)				
2. MAJOR—	45 Credits				
*HSAM1250	Health Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
*HSAM1300	Health Services Administration II	3		Health Care	
*HSAM1400	Introduction to Managed Care	3	*HSAM2000	Health Care Law and Ethics	3
	Health Care Financial Administration	3	*HSAM2100	Basic Principles of Health Economics	3
*HSAM1600	Fundamentals of Health Policy	3	*HSAM3200	<u> •</u>	3
	Strategic Planning for Health Care	3	*HSAM3250	Research for the Health Care Profession	
	Marketing for Health Services	3	*HSAM4850	Undergraduate Thesis in Health Care	3
	Organizations		*HSAM4903	Internship	3
			*INFS3440	Health Care Information System	3
3. OPEN ELE	ECTIVES36 Credits Minimum			,	
		3ALH140			3DMS135
					221110133

3BIO162

3PHY100

3DMS102

3DMS105

3DMS125

### **IMPORTANT NOTES:**

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

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Major Code - HSAM Checksheet Code -31 3PHY127

3DMS207

3DMS210

3DMS235

3DMS237

# **DIETETIC TECHNICIAN**

	SEMESTER BY SEMESTER BREAD	KDOWN OF CO	·
	CCAC COURSES		RMU EQUIVALENT
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semest	er		
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 Sem			
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 Semes			
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
		L	
Fourth Seme			To
DIT208	Community Nutrition		Open Elective
DIT209	Dietetic Supervised Practice 2		Open Elective
DIT212	Foodservice Systems		Open Elective
DIT214	Dietetic Seminar	gogotos:	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

<sup>\*\*</sup>Please Note:

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

- 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.)

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

ces Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

School: Nursing and Health Sciences
Department: Health Sciences

Minimum Credits Required - 120

\*INFS3440 Health Care Information System

1. ROBERT MORRIS	UNIVERSITY	CORE39 Credits
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COSO2221 Intercultural Communication Strategie	es 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	1 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 Problem	ns
POLS Political Science Elective**			Natural Science Elective	3BIO103
(**Choose from: HIST1100, HIST1200, HIST1500, HIST16	00,			
HIST1700 HIST1800 or POLS1020)				
2. MAJOR—45 Credits				
*HSAM1250 Health Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
*HSAM1300 Health Services Administration II	3	11571111700	Health Care	5
*HSAM1400 Introduction to Managed Care	3	*HSAM2000		3
*HSAM1500 Health Care Financial Administration	3		Basic Principles of Health Economics	3
*HSAM1600 Fundamentals of Health Policy	3 3		Heath Care Accounting and Budgeting	3
*HSAM1700 Strategic Planning for Health Care	3	*HSAM3250	Research for the Health Care Profession	3 3 al 3
*HSAM1800 Marketing for Health Services	3		Undergraduate Thesis in Health Care	3
Organizations	5	*HSAM4903	<u> </u>	3
Organizadolis		110/11/14/03	memoring	J

### 3. OPEN ELECTIVES--36 Credits Minimum

		_ 3DIT102	CHEM1220	Bio-Organic Chemistry	3CHM120
		_ 3DIT104			3DIT210
BIOL1050	Con & Controversies of Nutrition	3DIT106	COSO1220	Reading & Writing Strategies	3ENG101
HSMG2400	Medical Terminology	3ALH140			3DIT208
		_ 3DIT110			3DIT209
		_ 3DIT114			3DIT212

### **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 BREAK	DOWN OF CO	OURSE EQUIVALENTS	
	CCAC COURSES	RMU EQUIVALENT		
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE	
First Semest	er			
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	
	1	1		
Second Sem	<del>-</del>		1	
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 Semes	ster			
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 Seme	ester			
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	

<sup>\*\*</sup>Please Note:

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

- 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.)

ACADEMIC REQUIREMENTS FOR

**Bachelor of Science Degree** 

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

COSO1220 College Reading & Writing Strategies

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

**Minimum Credits Required - 120** 

### 1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO2221	Intercultural Communication Strategies	s 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	<b>Business Professional Communication</b>	n 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 Problem	ns
POLS	Political Science Elective**			Natural Science Elective	3BIO161
	m: HIST1100, HIST1200, HIST1500, HIST16	500,			
HIST1700 H	IIST1800 or POLS1020)				
2. MAJOR-	45 Credita		I.		
Z. MAJOK—	-43 Cledits		T		
*HSAM1250	Health Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
*HSAM1300	Health Services Administration II	3		Health Care	
*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 3 nal 3
*HSAM1600	Fundamentals of Health Policy	3	*HSAM3200	Heath Care Accounting and Budgeting	3
*HSAM1700	Strategic Planning for Health Care	3	*HSAM3250	Research for the Health Care Profession	ıal 3
*HSAM1800	Marketing for Health Services	3	*HSAM4850	Undergraduate Thesis in Health Care	3
	Organizations		*HSAM4903	Internship	3
	_		*INFS3440	Health Care Information System	3
3. OPEN ELI	ECTIVES36 Credits Minimum		•	·	
HSMG2400	Medical Terminology	3ALH140			3MDR202
1151/102400	Wiedical Tellimology	3ALH125			3MDR202
BIOL1220	Anatomy & Physiology II	3BIO162			3MDR207 3MDR203
BIOL1220	Anatomy & raystology II	3D1O102			31VIDIX203

3CIT140

3BIO241

3MDR102

### **IMPORTANT NOTES:**

INFS2412

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

Desktop Publishing

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.

Major Code - HSAM Checksheet Code -31

*Academic Year – 2016-2017* 

3MDR208

3BIO161

3ENG101

# MASSAGE THERAPIST

	SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS				
	CCAC COURSES		RMU EQUIVALENT		
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE		
First Semest	ter				
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	INFS1020	Intro Decision Support Systems		
	(Computer Information Technology Elective)				
<del>~</del> .~		T			
Second Sem		00000	I 5 6		
ENG101	English Composition 1	COSO1220	Reading & Writing Strategies (Open Elec)		
HPE171	Personal & Community Health/Wellness		Open Elective		
MAS102	Massage Therapy Prin & Procedures 2		Open Elecive *		
MAS110	Musculoskeleta Palpation for Mas. Ther.		Open Elective (with MAS102) *		
MAS111	Pathology for Massage Therapy		Open Elective		
		1			
Third Semes					
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		
		1			
Fourth Seme					
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		

<sup>\*\*</sup>Please Note:

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

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

<sup>\*</sup>Additional credits from some courses combined with others will fulfill open elective.

<sup>\*\*\*</sup> 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

ACADEMIC REQUIREMENTS FOR

**Bachelor of Science Degree** 

**Minimum Credits Required - 120** 

Major: HEALTH SERVICES ADMINISTRATION(ONLINE) **School: Nursing and Health Sciences** 

**Department: Health Sciences** 

-	DODEDE LACEDIA	THE STATE OF THE S	
- 1	ROBERT MORRIS	UNIVERSITY CORE39 Credits	

I. RUBERT	MORRIS UNIVERSITY CORE3	9 Credits			
COSO2221	Intercultural Communication Strategi	es 3	HUMA1010	Humanities: Art and Music	3TRAN
COSO1221	Argument and Research Strategies	3ENG102	INFS1020	Intro to Decision Support Systems	3CIT100
COSO2220	-	3SPH101	LITO	11 *	3
COSO2230		n 3	MATH1010	College Mathematics	3
ECON1010	Survey of Economics or	3		General Psychology	3PSY101
ECON1020	Principles of Macroeconomics		SOCI1010	Principles of Sociology or	3
HIST	History Elective** or	3TRAN	SOCI1020	Contemporary American Social Problem	ns
POLS	Political Science Elective**			Natural Science Elective	3BIO103
	m: HIST1100, HIST1200, HIST1500, HIST1	500,			
HIST1700 H	IIST1800 or POLS1020)				
2. MAJOR—	-45 Credits				
*HSAM1250	Health Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
*HSAM1300	Health Services Administration II	3		Health Care	
*HSAM1400	Introduction to Managed Care	3	*HSAM2000	Health Care Law and Ethics	3
	Health Care Financial Administration	3	*HSAM2100	Basic Principles of Health Economics	3 3 al 3 3 3
*HSAM1600	Fundamentals of Health Policy	3	*HSAM3200	-	3
*HSAM1700	Strategic Planning for Health Care	3	*HSAM3250	Research for the Health Care Profession	al 3
*HSAM1800	Marketing for Health Services	3	*HSAM4850	Undergraduate Thesis in Health Care	3
	Organizations		*HSAM4903	Internship	3
	_		*INFS3440	Health Care Information System	3
3. OPEN ELI	ECTIVES36 Credits Minimum				
HSMG2400	Medical Terminology	3ALH140			3MAS111
		3MAS101			3MAS201
COSO1220	Reading & Writing Strategies	3ENG101			3MAS208
		3HPE171		3MAS201	/MAS211L
		3MAS102		3MAS203	/MAS212C
	3MAS10	02/MAS110		3MAS20	4/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 Semest	er					
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 Sem		T				
		BIOL1250	Fund of Human Dialogue At 10 Fl			
BIO103	Introduction to Human Biology	BIOL1230	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			
TT1: 1.0		T				
Third Semes		) (G) (T) (100				
BUS103	Principles of Management	MGMT3100	Management Theory & Prac. (Open Elec)			
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies			
PSY101	Introduction to Psychology	PSYC1010	(Open Elec) General Psychology			
MAT108	Intermediate Algebra (Mathematics Elective)	MATH1010	College Algebra			
WHITTOO	Or MAT111		Conege rageora			
Fourth Seme	·					
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			

<sup>\*\*</sup>Please Note:

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

- 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.)

ACADEMIC REQUIREMENTS FOR

**Bachelor of Science Degree** 

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

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

COSO1220 College Reading & Writing Strategies

### 1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

COSO2221	Intercultural Communication Strategie	es 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	<b>Business Professional Communication</b>	a 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 Prob	lems
POLS	Political Science Elective**			Natural Science Elective	3BIO103
(**Choose from	m: HIST1100, HIST1200, HIST1500, HIST160	00,			
HIST1700 H	IST1800 or POLS1020)				
2. MAJOR—	-45 Credits				
			I		
*HSAM1250	Health Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
*HSAM1300	Health Services Administration II	3		Health Care	
*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	s 3 ng 3 ional 3
*HSAM1600	Fundamentals of Health Policy	3	*HSAM3200	Heath Care Accounting and Budgetin	ng 3
*HSAM1700	Strategic Planning for Health Care	3	*HSAM3250	Research for the Health Care Profess	ional 3
*HSAM1800		3	*HSAM4850	Undergraduate Thesis in Health Care	
	Organizations		*HSAM4903	Internship	3
	-		*INFS3440	Health Care Information System	3
3 OPEN ELE	ECTIVES36 Credits Minimum		•	•	
			T		
HSMG2400	Medical Terminology	3ALH140			3MDA106

3MDA104

3MDA105

3MDA208

3MDA101

3MDA103

### **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.

Major Code - HSAM Checksheet Code -31 3MDA107

3BUS103

3ENG101

3ALH125

3PSY108

# MEDICAL LABORATORY TECHNICIAN

	SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS				
	CCAC COURSES		RMU EQUIVALENT		
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE		
First Semest	er				
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 &		Open Elective		
	Clinical Chemistry 1		_		
Second Sem					
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					
Hı	imanities Elec.(ART, MUS, PHL, THE, DAN)	HUMA1010	Humanities: Art and Music		
Third Semes	<del>-</del>				
MLT152	Clinical Microbiology 2		Open Elective		
MLT220	Clinical Hematology		Open Elective		
MLT225	Clinical Immunohematology		Open Elective		
MAT108	Intermediate Algebra (Mathematics Elective)	MATH1010	College Mathematics		
	Or MAT111				
Fourth Seme			T		
MLT250	Clinical Laboratory Seminar		Open Elective		
MLT251	Clinical Lab Externship		Open Elective (6 credits)		

<sup>\*\*</sup>Please Note:

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

- 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

ACADEMIC REQUIREMENTS FOR

**Bachelor of Science Degree** 

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

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

**Minimum Credits Required - 120** 

1	ROBERT MORRIS	UNIVERSITY	CORF30 Credite
- 1			CARC 19 Credits

COSO1220 Col	llege Reading & Writing Strategies	3ENG101	HUMA1010	Humanities: Art and Music	3TRAN
COSO1221 Arg	gument and Research Strategies	3ENG102	INFS1020	Intro to Decision Support Systems	3
COSO2220 Spe		3	LITO	Literature Elective	3
COSO2230 Bus	siness Professional Communication	3	MATH1010	College Mathematics	3MAT108
ECON1010 Sur	rvey of Economics or	3	PSYC1010	General Psychology	3PSY101
ECON1020 Prin	nciples of Macroeconomics		SOCI1010	Principles of Sociology or	3
HIST His	story Elective** or	3	SOCI1020	Contemporary American Social Probl	ems
POLS Pol	litical Science Elective**			Natural Science Elective	3CHM109
	IIST1100, HIST1200, HIST1500, HIST160	00,			
HIST1700 HIST18	(800 or POLS1020)				

### 2. MAJOR—45 Credits

*HSAM1250	Health Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
*HSAM1300	Health Services Administration II	3		Health Care	
*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	Heath 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	3	*HSAM4850	Undergraduate Thesis in Health Care	3
	Organizations		*HSAM4903	Internship	3
	_		*INFS3440	Health Care Information System	3
3 OPEN ELI	FCTIVES36 Credits Minimum	•			

HSMG2400	Medical Terminology	3ALH140	 	3MLT152
		3MLT111	 	3MLT220
		3MLT161	 	3MLT225
		3MLT112	 	3MLT250
		3MLT151	 	3MLT251
		3MLT162	 	3MLT251

### **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 BREAK	DOWN OF CO	
	CCAC COURSES		RMU EQUIVALENT
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semest	er		
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 Sem	acton		
		DIOI 1220	Anotomy & Dhysiology II (O. Di. g.)
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
		1	
Third Semes			
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 Seme	actor		
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
131101	Humanities Elec (ART, MUS, PHL, THE, DAN)	HUMA1010	Humanities: Art and Music
_	Tiumamues Elec (ARI, MUS, PHL, THE, DAN)	HOMATOTO	Trumainties. Art and Wusic
Summer			
NMT205	Nuclear Medicine Externship		Not Applicable
NMT270	Fundamentals of Molecular Imaging w/PET		Open Elective

<sup>\*\*</sup>Please Note:

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

- 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.)

ACADEMIC REQUIREMENTS FOR

**Bachelor of Science Degree** 

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences

**Minimum Credits Required - 120** 

I. KOBEKT	MORRIS	UNIV	EKSIT	Y CORE3	9 Credits

COSO1220 College Reading & Writing Strategies 3E	ENG101	HUMA1010 Humanities: Art and Music	3TRAN
COSO1221 Argument and Research Strategies 3F	ENG102	INFS1020 Intro to Decision Support Systems	3
COSO2220 Speaking Strategies	3	LITO Literature Elective	3
COSO2230 Business Professional Communication	3	MATH1010 College Mathematics	3MAT111
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 Proble	ms
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	3
*HSAM1300 Health Services Administration II	3		Health Care	
*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	Heath 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	3	*HSAM4850	Undergraduate Thesis in Health Care	3
Organizations		*HSAM4903	Internship	3
-		*INFS3440	Health Care Information System	3
3 OPEN ELECTIVES36 Credits Minimum				

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

### **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

	CCAC COURSES		RMU EQUIVALENT
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semest			
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology I (BIOL1215) (Natural Science Elective)
MAT108	Intermediate Algebra	MATH1010	College Mathematics
NUR110	Foundation & Health Promotion		Open Elective (6 credits)
	Concepts for Nursing Practice		
NUR120	Health Assessment Concepts for Nursing Practice		Not Applicable
PSY101	Introduction to Psychology	PSYC1010	General Psychology
			-
Second Sem	nester		
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 Semes	ster		
ENG102	English Composition 2	COSO1221	Argument & Research Strategies
NUR210	Professional Nursing Concepts		Not Applicable
NUR220	Adult Health Concepts for Nursing		Open Elective
	Practice		1
NUR230	Family Health Concepts for Nursing		Open Elective
	Practice		-
Fourth Seme	ester		
NUR240	Complex Health Concepts for		Open Elective
	Nursing Practice		-
NUR250	Leadership & Management Concepts	TTT 6 : 1010	Open Elective
	Humanities Elec. (ART, MUS, PHL, THE, DAN)	HUMA1010	Humanities: Art and Music

<sup>\*\*</sup>Please Note:

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

- 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

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	<b>UNIVERSITY CORE39 C</b>	redits

I. ROBERT	MORRIS UNIVERSITY CORE3	9 Credits			
COSO1220	College Reading & Writing Strategie	s 3ENG101	HUMA1010	Humanities: Art and Music	3TRAN
COSO1221	Argument and Research Strategies	3ENG102	INFS1020	Intro to Decision Support Systems	3
COSO2220		3	LITO	Literature Elective	3
COSO2230		n 3	MATH1010	College Mathematics	3MAT108
ECON1010	Survey of Economics or	3		General Psychology	3PSY101
ECON1020	Principles of Macroeconomics		SOCI1010	Principles of Sociology or	3
HIST	History Elective** or	3	SOCI1020	Contemporary American Social Problem	ns
POLS	Political Science Elective**			Natural Science Elective	3BIO161
	m: HIST1100, HIST1200, HIST1500, HIST16	600,			
H1811700 H	IST1800 or POLS1020)				
2. MAJOR—	-45 Credits				
*HSAM1250	Health Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
*HSAM1300	Health Services Administration II	3		Health Care	
*HSAM1400	Introduction to Managed Care	3	*HSAM2000	Health Care Law and Ethics	3
*HSAM1500	Health Care Financial Administration	a 3	*HSAM2100	Basic Principles of Health Economics	3
*HSAM1600	Fundamentals of Health Policy	3	*HSAM3200	Heath Care Accounting and Budgeting	3
*HSAM1700	Strategic Planning for Health Care	3	*HSAM3250	Research for the Health Care Profession	3 3 aal 3 3 3
*HSAM1800	Marketing for Health Services	3	*HSAM4850	Undergraduate Thesis in Health Care	3
	Organizations		*HSAM4903	Internship	3
			*INFS3440	Health Care Information System	3
3. OPEN ELI	ECTIVES36 Credits Minimum				
		3NUR110	PSYC3550	Human Growth & Development	3PSY108
		3NUR110	BIOL2370	Microbiology	3BIO175
BIOL1220	Anatomy & Physiology II	3BIO162			3NUR220
		3NUR130			3NUR230
		3NUR130			3NUR240
		3NUR140			3NUR250

### **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 BREAK	DOWN OF CO	•
	CCAC COURSES		RMU EQUIVALENT
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semes	•		
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology I (BIOL1215)
ENG101		G0G01220	(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	PSYC1010	General Psychology
12101	Computer Info Tech Elec. (1 cr.)		Open Elective (Combined with 1 cr. Labs
	Computer mile 1001 21001 (1 011)		BIOL1215 & BIOL1225)
Second Sem	nester		
BIO162	Anatomy & Physiology 2	BIOL1220	Anatomy & Physiology II (BIOL1225)
ENG102		G0G01221	(Open Elective)
ENG102	English Composition 2	COSO1221	Argument & Research Strategies
OTA 112	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 Seme	ster		
OTA201	Occupational Therapy in Physical		Open Elective
	Disabilities		
OTA211	Occupational Therapy Fieldwork 1/		Not Applicable
	Physical Disabilities		
PSY208	Abnormal Psychology	PSYC3700	Abnormal Psychology (Open Elective)
SPH101	Oral Communications	COSO2220	Speech Strategies
	Health & Physical Education Elective		Not Applicable
T 1 0		1	
Fourth Sem			
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/		Not Applicable
ОТ 4 2 1 2	Mental Health		NI-4 A
OTA213	Occup. Therapy Fieldwork 1/		Not Applicable
MAT100	Aging Population	MATHIO	College Methematics
MAT108	Intermediate Algebra (Mathematics Elective)	MATH1010	College Mathematics
Summer			
OTA221	OT Fieldwork 2A		Open Elective
OTA222	OT Fieldwork 2B		Open Elective
lease Note:	OI I IOIGWOIN ED	1	- Open Electric

<sup>\*\*</sup>Please Note:

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

- 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.)

### ACADEMIC REQUIREMENTS FOR

**Bachelor of Science Degree** 

**School: Nursing and Health Sciences** 

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences Minimu

**Minimum Credits Required - 120** 

COSO2221 Int	tercultural Communication Strategies	s 3	HUMA1010	Humanities: Art and Music	3
COSO1221 Ar	rgument and Research Strategies	3ENG102	INFS1020	Intro to Decision Support Systems	3
COSO2220 Sp	beaking Strategies	3SPH101	LITO	Literature Elective	3
COSO2230 Bi	usiness Professional Communication	3	MATH1010	College Mathematics	3MAT108
ECON1010 Su	arvey of Economics or	3	PSYC1010	General Psychology	3PSY101
ECON1020 Pri	inciples of Macroeconomics		SOCI1010	Principles of Sociology or	3
HIST Hi	istory Elective** or	3	SOCI1020	Contemporary American Social Problem	ns
POLS Po	olitical Science Elective**			Natural Science Elective	3BIO161
(**Choose from: I	HIST1100, HIST1200, HIST1500, HIST160	0,			
HIST1700 HIST	(1800 or POLS1020)				
2. MAJOR—45	Credits				
*HSAM1250 He	ealth Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
	ealth Services Administration II	3	HSAWIT700	Health Care	3
	troduction to Managed Care	3	*HSAM2000	Health Care Law and Ethics	3
	ealth Care Financial Administration	3	*HSAM2100	Basic Principles of Health Economics	3
	andamentals of Health Policy	3	*HSAM3200		3 3 nal 3
	rategic Planning for Health Care	3	*HSAM3250	Research for the Health Care Profession	nal 3
	arketing for Health Services	3	*HSAM4850	Undergraduate Thesis in Health Care	3
	rganizations	5	*HSAM4903	Internship	3
	iganizations		*INFS3440	Health Care Information System	3
			1111 55-7-10	Treater Care information bystem	
	TIVES36 Credits Minimum				
COSO1220 Co	ollege Reading & Writing Strategies	3ENG101			3OTA201
	3	_OTA101	PSYC3700	Abnormal Psychology	3PSY208

### **IMPORTANT NOTES:**

BIOL1220

PSYC3550

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

Anatomy & Physiology 2

Human Growth & Development

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.

3CIT Elec./BIOL1215/BIOL1225

3BIO162

3OTA102

3PSY108

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.

Major Code - HSAM Checksheet Code -31 3OTA202

3OTA203

3OTA221

3OTA222

# **PARAMEDIC**

	SEMESTER BY SEMESTER BREAK CCAC COURSES		RMU EQUIVALENT
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semest		CRSETTO	COCKSE IIIE
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 Sem	agetar	1	
BIOL162		BIOL1220	Angtonia & Dhagialaga II (DIOI 1225)
BIOL102	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 Semes	ster		
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 Seme	antar		
		DCV/C2550	Human Crowth & Decelerate
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

<sup>\*\*</sup>Please Note:

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

- 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.)

<sup>\*\*</sup> Additional combined credits from these courses will make up additional open elective.

### ROBERT MORRIS UNIVERSITY ACADEMIC REQUIREMENTS FOR **Bachelor of Science Degree** Major: HEALTH SERVICES ADMINISTRATION(ONLINE) **School: Nursing and Health Sciences Department: Health Sciences Minimum Credits Required - 120** 1. ROBERT MORRIS UNIVERSITY CORE--39 Credits COSO2221 Intercultural Communication Strategies 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 MATH1010 College Mathematics 3MAT108 3 ECON1010 Survey of Economics or PSYC1010 General Psychology 3PSY101 ECON1020 Principles of Macroeconomics SOCI1010 Principles of Sociology or 3 History Elective\*\* or SOCI1020 Contemporary American Social Problems HIST 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 \*HSAM1900 Human Resource Administration in \*HSAM1300 Health Services Administration II Health Care \*HSAM1400 Introduction to Managed Care \*HSAM2000 Health Care Law and Ethics \*HSAM1500 Health Care Financial Administration \*HSAM2100 Basic Principles of Health Economics \*HSAM1600 Fundamentals of Health Policy \*HSAM3200 Heath Care Accounting and Budgeting

# 3. OPEN ELECTIVES--36 Credits Minimum

\*HSAM1800 Marketing for Health Services

Organizations

\*HSAM1700 Strategic Planning for Health Care

5. Of LIV ELECTIVES 30 credits William			
3PAM101		3PAM20	01/PAM214
3PAM102	COSO1220	College Reading & Writing Strategies	3ENG101
3PAM112/PAM116			3PAM201
3PAM103		3PAM20	02/PAM213
3PAM104			3PAM214
3PAM105	PSYC3550	Human Growth & Development	3PSY108

\*HSAM3250 Research for the Health Care Professional

Health Care Information System

\*HSAM4850 Undergraduate Thesis in Health Care

\*HSAM4903 Internship

\*INFS3440

### **IMPORTANT NOTES:**

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

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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 BREAK	DOWN OF CO	•
	CCAC COURSES		RMU EQUIVALENT
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semest	ter		
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 Sem	nester		
PHT102	Parmacology 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 Semes	ster		
PHT106	Pharmacy Product Preparation 3		Not Applicable
PHT201	Pharmacy Tech Externship		Open Elective (6 credits)
PHT203	Pharmacy Seminar		Not Applicable
Fourth Seme	ester		
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 Semes	ter .		
BUS210	Principles of Retailing		Business Admin Elec. (Open Elective)
ENG102	English Composition	COSO1221	Argument and Research Strategies
L110102	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

<sup>\*\*</sup>Please Note:

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

- 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.)

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 UN	IVERSITY CORE39 Credits
---------------------	-------------------------

COSO1220 College Reading &	Writing Strategies	3ENG101	HUMA1010	Humanities: Art and Music	3TRAN
COSO1221 Argument and Res	earch Strategies	3ENG102	INFS1020	Intro to Decision Support Systems	3CIT100
COSO2220 Speaking Strategie	3	3	LITO	Literature Elective	3
COSO2230 Business Professio	nal Communication	3	MATH1010	College Mathematics	3
ECON1010 Survey of Econom	cs or	3	PSYC1010	General Psychology	3PSY101
ECON1020 Principles of Macro	economics		SOCI1010	Principles of Sociology or	3
HIST History Elective**	or	3	SOCI1020	Contemporary American Social Prob	olems
POLS Political Science E	lective**			Natural Science Elective	3BIO103
(**Choose from: HIST1100, HIST120	0, HIST1500, HIST160	00,			
HIST1700 HIST1800 or POLS1020)					

### 2. MAJOR—45 Credits

	Health Administration Intro/Level I Health Services Administration II	3	*HSAM1900	Human Resource Administration in Health Care	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	Heath 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	3	*HSAM4850	Undergraduate Thesis in Health Care	3
	Organizations		*HSAM4903	Internship	3
			*INFS3440	Health Care Information System	3
2 OPENIELI	SCHOOL SEC. 11. 35. 1			_	•

### 3. OPEN ELECTIVES--36 Credits Minimum

HSMG2400	Medical Terminology	3ALH140			3PHT105
		3PHT100			3PHT201
		3PHT101			3PHT201
		3PHT102	INFS2412	Desktop Publishing	3CIT140
		3PHT103			3MAT193
		3PHT104		<del></del>	3BUS210

### **IMPORTANT NOTES:**

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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 BREAKI	DOWN OF CO	•
	CCAC COURSES		RMU EQUIVALENT
<b>CRSE NO</b>	COURSE TITLE	CRSE NO	COURSE TITLE
First Semes	ter		
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
		1	
Second Sen	-		T
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		Not Applicable
	Health & Physical Education Elective		
Summer			
MAT108	Intermediate Algebra (Mathematics Elective)	MATH1010	College Mathematics
Third Seme	otan.		
PSY108	-	PSYC3550	H
PS 1 108	Human Growth & Development	PS 1 C3550	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 Sem	ester		
PTA212	Physical Therapy Clinical Education 2		Open Elective
PTA213	Physical Therapy Clinical Education 3		Open Elective
PTA215	Physical Therapy Profession Exploration		Not Applicable

<sup>\*\*</sup>Please Note:

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

- 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.)

<sup>\*</sup> These two 2 credit courses will be combined to make up for one open elective.

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	<b>MORRIS</b>	UNIX	<b>JERSITY</b>	CORE39 Credits
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1. ROBERT IVI	TORRES ON VERSIT I CORE 37	Credits			
COSO2221 I	Intercultural Communication Strategie	s 3	HUMA1010	Humanities: Art and Music	3
COSO1221 A	Argument and Research Strategies	3ENG102	INFS1020	Intro to Decision Support Systems	3
COSO2220 S	Speaking Strategies	3SPH101	LITO	Literature Elective	3
COSO2230 H	<b>Business Professional Communication</b>	3	MATH1010	College Mathematics	3MAT108
ECON1010 S	Survey of Economics or	3	PSYC1010	General Psychology	3PSY101
	Principles of Macroeconomics				3
	History Elective** or	3	SOCI1020 C	Contemporary American Social Problems	
	Political Science Elective**			Natural Science Elective	3BIO160
	HIST1100, HIST1200, HIST1500, HIST160	00,			
HIST1700 HIS	ST1800 or POLS1020)				
2. MAJOR—4	5 Credits				
*HSAM1250 H	Health Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
*HSAM1300 H	Health Services Administration II	3		Health Care	
*HSAM1400 I	Introduction to Managed Care	3	*HSAM2000	Health Care Law and Ethics	3 3 al 3
*HSAM1500 I	Health Care Financial Administration	3	*HSAM2100	Basic Principles of Health Economics	3
*HSAM1600 I	Fundamentals of Health Policy	3	*HSAM3200	Heath Care Accounting and Budgeting	3
*HSAM1700 S	Strategic Planning for Health Care	3	*HSAM3250	Research for the Health Care Profession	al 3
	Marketing for Health Services	3	*HSAM4850	Undergraduate Thesis in Health Care	3 3
(	Organizations		*HSAM4903	Internship	3
			*INFS3440	Health Care Information System	3
3. OPEN ELEC	CTIVES36 Credits Minimum				
	natomy & Physiology I	3BIO161	PSYC3550	Human Growth & Development	3PSY108
COSO1220 C	ollege Reading & Writing Strategies	3ENG101			3PTA201
		3PTA101		3PTA20	)2/PTA211
BIOL1220 A	Anatomy & Physiology II	3BIO162			3PTA203
		3PTA102			3PTA212

### **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.

3PTA103

Major Code - HSAM Checksheet Code -31 3PTA213

# RADIATION THERAPY TECHNOLOGY

	SEMESTER BY SEMESTER BREAKI CCAC COURSES		RMU EQUIVALENT
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
		CRSE NO	COURSE TITLE
First Semest	•	1101/02/00	N 1 1 1
ALH140	Medical Terminology	HSMG2400	Medical Terminology (Open Elective)
BIO161	Anatomy & Physiology 1	BIOL1210	Anatomy & Physiology 1 (Natl 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)
C 1 C			
Second Sem		DIOI 1220	0 DI 1 0 0
BIO162	Anatomy & Physiology 2	BIOL1220	Anatomy & Physiology 2 (Open Elective)
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies
PHY126	Radiation Physics & Protection	DGMG1010	Open Elective
PSY101	Introduction to Psychology	PSYC1010	General Psychology
RTT102	Fundamentals of Radiation Therapy		Open Elective (Combined with RTT112)
RTT112	Fundamentals of Radiation Therapy		Open Elective (Combined with RTT102)
	Clinical		
Summer			
RTT120	Applied Radiation Therapy 1		Not Applicable
Third Semes	ster	T	
BIO212	Radiobiology		Not Applicable
BIO241	Pathophysiology	NURS2015	Pathophysiology (Open Elective)
ENG102	English Composition 2	COSO1221	Argument and Research Strategies
RTT201	Theoretical Radiation Therapy 1	COSO1221	Open Elective
RTT202	Radiation Therapy Clinical Practicum 1		Open Elective
111202	Tradition Therapy Chinear Fracticum 1		open Elective
Fourth Seme	ester		
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
~		1	
Summer			
RTT220	Radiation Therapy Externship		Not Applicable

<sup>\*\*</sup>Please Note:

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

- 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.)

### ACADEMIC REQUIREMENTS FOR

**Bachelor of Science Degree** 

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences Minimum Credits Required - 120

Depar unient. 1	Health Sciences		Minimum Credits Required - 120		
1. ROBERT I	MORRIS UNIVERSITY CORE3	9 Credits			
COSO1220	College Reading & Writing Strategies	s 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	n 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 Problem	ms
	Political Science Elective**			Natural Science Elective	3BIO161
	m: HIST1100, HIST1200, HIST1500, HIST16	500,			
HIST1700 H	IST1800 or POLS1020)				
2. MAJOR—	-45 Credits				
*HSAM1250	Health Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
*HSAM1300	Health Services Administration II	3		Health Care	
*HSAM1400	Introduction to Managed Care	3	*HSAM2000	Health Care Law and Ethics	3
*HSAM1500	Health Care Financial Administration		*HSAM2100	Basic Principles of Health Economics	3
*HSAM1600	Fundamentals of Health Policy	3	*HSAM3200	Heath Care Accounting and Budgeting	3
*HSAM1700	Strategic Planning for Health Care	3	*HSAM3250	Research for the Health Care Professio	nal 3
*HSAM1800	Marketing for Health Services	3	*HSAM4850	Undergraduate Thesis in Health Care	3
	Organizations		*HSAM4903	Internship	nal 3 3 3
			*INFS3440	Health Care Information System	3
3. OPEN ELE	ECTIVES36 Credits Minimum				
HSMG2400	Medical Terminology	3ALH140	NURS2015	Pathophysiology	3BIO241
		3PHY125			3RTT201
	3RTT1	11/RTT101			3RTT202
BIOL1220	Anatomy & Physiology 2	3BIO162			3RTT211
	· · · · · · · · · · · · · · · · · · ·	3PHY126			3RTT212
		51111120			31(11212

### **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 BREAK	DOWN OF CO	OURSE EQUIVALENTS
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semest	er		
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 Sem	nester		
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 Semes	ster		
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 Seme	ester		
RAD217	Radiologic Technology 4		Open Elective
RAD218	Radiologic Technology Clinical 4		Open Elective (6 credits)
Summer			
·		ļ	

<sup>\*\*</sup>Please Note:

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

- 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

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences Minimum Credits Required - 120

Department. Health	Belefices			William Creates Requ	111 Cu 120
1. ROBERT MORE	RIS UNIVERSITY CORE39	9 Credits			
COSO1220 Callar	Danding & Whiting Strategies	2ENC101	III IM A 1010	Humanities: Art and Music	2TD 4 N
	ge Reading & Writing Strategies				3TRAN
	nent and Research Strategies	3ENG102	INFS1020	Tr - J	3
	ing Strategies	3	LITO	Literature Elective	3
	ess Professional Communication			College Mathematics	3MAT108
ECON1010 Surve		3		General Psychology	3PSY101
	ples of Macroeconomics		SOCI1010	1 23	3
	ry Elective** or	3	SOCI1020	Contemporary American Social Proble	
	cal Science Elective**			Natural Science Elective	3BIO161
	(1100, HIST1200, HIST1500, HIST16	00,			
HIST1700 HIST1800	or POLS1020)				
2. MAJOR—45 Cre	dits				
*HSAM1250 Health	Administration Intro/Level I	3	*HSAM1900	Human Resource Administration in	3
*HSAM1300 Health	n Services Administration II	3		Health Care	
*HSAM1400 Introd	uction to Managed Care	3	*HSAM2000	Health Care Law and Ethics	3
*HSAM1500 Healtl	Care Financial Administration	3	*HSAM2100	Basic Principles of Health Economics	3 3 onal 3
*HSAM1600 Funda	mentals of Health Policy	3	*HSAM3200	Heath Care Accounting and Budgeting	3
	gic Planning for Health Care	3	*HSAM3250		nal 3
	eting for Health Services	3	*HSAM4850	Undergraduate Thesis in Health Care	3
	iizations		*HSAM4903	C	3
- 8			*INFS3440	Health Care Information System	3
3. OPEN ELECTIV	ES36 Credits Minimum				<del></del>
BIOL1220 Anato	my & Physiology 2	3BIO162			3RAD207
		3RAD108			3RAD208
		3RAD157			3RAD217
		3PHY100			3RAD218
		3RAD158			3RAD218
		3PHY128			3RAD258
		51111120		-	3K/1D230

### **IMPORTANT NOTES:**

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

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# **RESPIRATORY THERAPY**

	SEMESTER BY SEMESTER BREAKI	TOWN OF CO	•
	CCAC COURSES	RMU EQUIVALENT	
CRSE NO	COURSE TITLE	CRSE NO	COURSE TITLE
First Semest			
ENG101	English Composition 1	COSO1220	College Reading & Writing Strategies
PHY123	Physics for the Health Sciences/		Natural Science Elective
	Respiratory Care		
RES111	Respiratory Care Equipment 1		Open Elective
RES113	Respiratory Therapy 1		Open Elective
Second Sem	ester		
BIO209	Cardiopulmonary Anatomy & Physiology		Open Elective
ENG102	English Compositon 2	COSO1221	English Composition 2
RES112	Respiratory Equipment 2		Open Elective
RES114	Respiratory Therapy 2		Open Elective
Summer			
RES115	Fundamentals of Clinical Practice		Not Applicable
RES116	Pulmonary Diagnostic Procedures		Not Applicable
RES117	Pulmonary & Related Pathology		Open Elective
RES118	Respiratory Pharmacology		Not Applicable
		1	
Third Semes	ster		
PSY101	Introduction to Psychology	PSYC1010	General Psychology
RES202	Medical Aspects of Respiratory Therapy		Open Elective
RES211	Respiratory Therapist Clinical 1		Open Elective (9 credits)
	1 1 2 11 11 11 11 11		1
Fourth Seme	ester		
Fourth Semo	ester Respiratory Therapist Clinical 2		Open Elective (6 credits)

<sup>\*\*</sup>Please Note:

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

- 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

ACADEMIC REQUIREMENTS FOR

**Bachelor of Science Degree** 

School: Nursing and Health Sciences

Major: HEALTH SERVICES ADMINISTRATION(ONLINE)

Department: Health Sciences Minimum Credits Required - 120

Department: Health Sciences		Minimum Credits Required - 120
1. ROBERT MORRIS UNIVERSITY CORE39 C	redits	
COSO1220 College Reading & Writing Strategies 3E	ENG101	HUMA1010 Humanities: Art and Music 3TRAN
	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 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 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 3
*HSAM1300 Health Services Administration II	3	Health Care
*HSAM1400 Introduction to Managed Care	3	*HSAM2000 Health Care Law and Ethics 3
*HSAM1500 Health Care Financial Administration	3	*HSAM2000 Health Care Law and Ethics 3 *HSAM2100 Basic Principles of Health Economics 3
*HSAM1600 Fundamentals of Health Policy	3	*HSAM3200 Heath Care Accounting and Budgeting 3 *HSAM3250 Research for the Health Care Professional 3
*HSAM1700 Strategic Planning for Health Care	3	*HSAM3250 Research for the Health Care Professional 3
*HSAM1800 Marketing for Health Services	3	*HSAM4850 Undergraduate Thesis in Health Care 3 *HSAM4903 Internship 3
Organizations		*HSAM4903 Internship 3
		*INFS3440 Health Care Information System 3
3. OPEN ELECTIVES36 Credits Minimum		
3R	RES111	3RES202
3R	RES113	3RES211
3H	3IO209	3RES211
3R	RES112	3RES211
3R	RES114	3RES212
3R	RES117	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 BREAK	KDOWN OF CO	<u> </u>
CCAC COURSES		RMU EQUIVALENT	
<b>CRSE NO</b>	COURSE TITLE	CRSE NO	COURSE TITLE
First Semest	ter		
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 Sem	ester		
BIO175	Microbiology	BIOL2370	Microbiology (BIOL2380) (Open Elective)
ENG102	English Composition 2	COSO1221	Argument & Research Strategies
MAT106	Mathematics for Health Science ***		Open Elective
SPH101	Oral Communication	COSO2220	Speaking Strategies
SUR120	Surgical Technology 2		Open Elective (6 credits)
Third Semes	ster		
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 Seme	ester		
BIO162	Anatomy & Physiology 2	BIOL1220	Anatomy & Physiology II (BIOL1225) (Not Applicable)
SUR240	Surgical Technology 4		Not Applicable
SUR241	Surgical Technology Clinical 2		Not Applicable

<sup>\*\*</sup>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

- 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.)

ACADEMIC REQUIREMENTS FOR

Bachelor of Science Degree

School: Nursing and Health Sciences Major: HEALTH SERV

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

Department: Health Sciences

1. ROBERT MORRIS UNIVERSITY CORE--39 Credits

1. ROBERT WORKED CIVITERSTITE CORE 37 CICCIES	
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 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 3BIO123
(**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 3
*HSAM1300 Health Services Administration II 3	Health Care
*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 *HSAM3200 Heath Care Accounting and Budgeting 3 *HSAM3250 Research for the Health Care Professional 3 *HSAM4850 Undergraduate Thesis in Health Care 3 *HSAM4903 Internship 3
*HSAM1600 Fundamentals of Health Policy 3	*HSAM3200 Heath 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 3	*HSAM4850 Undergraduate Thesis in Health Care 3
Organizations	WITTER A R 4 0 0 0 7 1 1 1 1 1
Organizations	*HSAM4903 Internship 3
Organizations	*HSAM4903 Internship 3 *INFS3440 Health Care Information System 3
3. OPEN ELECTIVES36 Credits Minimum	*HSAM4903 Internship 3 *INFS3440 Health Care Information System 3
	*HSAM4903 Internship  *INFS3440 Health Care Information System 3  3SUR120

3SUR110

3BIO175

3MAT106

3SUR120

### **IMPORTANT NOTES:**

BIOL2370

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

Microbiology

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.

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