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 Engineering Science who plan to enter Robert Morris University (RMU) in a major under the Bachelor of Science degree program majoring in Manufacturing Engineering.

Up to 60 credits will be granted to students (pending on the Concentration selected) who have successfully completed an Associate Degree provided that:

- Students have completed the curriculum as outlined in the CCAC 2014-2015 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 Enrollment Management 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	6/4/15 Date	Gregory G. Dell'Omo, Ph.D. President	4-9-15 Date

ROBERT MORRIS UNIVERSITY

ACADEMIC REQUIREMENTS FO
Bachelor of Scienc

EFFECTIVE FALL 2015

Major: MANUFACTURING ENGINEERIN(

1. ROBERT MORRIS UNIVERSITY CORE--41 Credits

CHEM1210	Chemistry I	3 CHM151	HIST____	History Elective** or	3____
CHEM1215	Chemistry I Lab	1 CHM151	POLS____	Political Science Elective**	
COSK1220	Reading and Writing Strategies or	3 ENG101	(**Choose from: HIST1100, HIST1200, HIST1500, HIST1600, HIST1700 HIST1800 or POLS1020)		
COSK1221	Argument and Research	3 ENG102	HUMA1010	Humanities: Art and Music	3 TRAN
COSK2220	Public Speaking and Persuasion	3____	INFS1020	Introduction to Decision Support Syst	3 TRAN
COSK2230	Professional Communications	3____	*MATH2070	Calculus w/Analytic Geometry I	4 MAT201
ECON1010	Survey of Economics	3 ECO102	PSYC1010	General Psychology	3 PSY101
ELIT____	Literature Elective	3____	SOCI1020	Contemporary American Social Prob	3 SOC212

2. MATH AND SCIENCE --25 Credits

ENGR2080	Engineering Statistics	3____	PHYS1210	Physics	3PHY221
MATH2170	Calculus with Analytic Geometry II	4 MAT202	PHYS1215	Physics I Lab	1PHY221
MATH3090	Calculus with Analytic Geometry III	4 MAT250	PHYS2210	Physics II	3PHY222
MATH3400	Linear Algebra with Applications	3____	PHYS2215	Physics II Lab	1PHY222
MATH3420	Differential Equations	3 MAT252			

3. BUSINESS –9 Credits

ACCT1020	Fundamentals of Accounting	3____	MGMT3100	Management Theory and Practice	3 BUS103
MARK3100	Principles of Marketing	3 BUS104			

4. BASIC ENGINEERING—12 Credits

ENGR1610	Statics and Strength of Materials	3____	ENGR2160	Engineering Graphics	3 EGR101
ENGR2140	Circuits and Electromagnetics	3____	ENGR2180	Engineering Materials	3____

5. MAJOR --33 Credits

ENGR1010	Introduction to Engineering	3____	ENGR4400	Device Control	3____
ENGR3200	Value Design	3____	ENGR4650	Simulation	3____
ENGR3600	Production Engineering	3____	*ENGR4900	Engineering Practice	3____
ENGR3650	Product and Tool Design	3____	*ENGR4950	Integrated Engineering Design	3____
ENGR3680	Introduction to Quality Engineering	3____	INFS2184	C++ Programming	3 CIT245
ENGR3700	Manufacturing Planning and Control	3			

6. APPROVED ELECTIVES--6 Credits Minimum

Choose from: ENGR3250 Automated Identification Systems, ENGR3500 Material handling and Plant Layout, ENGR3900 Optimization of Techniques of Industiral Engineering, ENGR4030 Project Engineering, ENGR4200 Safety and Methods Engineering, ENGR4700 Robotics and Automation, and/or ENGR4801 Rapid Prototyping/Reverse Engineering. Other Engineering electives may be chosen with advisor approval.

_____	_____	3____	_____	_____	3____

IMPORTANT NOTES:

Up to 60 credits apply to this degree program from CCAC

A cumulative 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 COSK1220 or COSK2221 in addition to COSK1221, COSK2220, and COSK2230. If placed in COSK1220, a student's Core requirements are Communication Skills COSK1220, COSK1221, COSK2220, and COSK2230. If placed in COSK1221 (advanced placement; no credit earned for COSK1220), a student's Core requirements are Communication Skills COSK1221, COSK2220, COSK2221, and COSK2230. 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 – MFEN

Checksheet Code – ME

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS			
CCAC COURSES		RMU EQUIVALENT	
CRSE NO	**COURSE TITLE**	**CRSE NO**	**COURSE TITLE**
First Semester			
EGR100	Engineering Seminar		Not Applicable
ENG101	English Composition I	COSK1220	Reading and Writing Strategies
MAT201	Calculus I	MATH2070	Calculus with Analytic Geometry I
BUS103	Principles of Management **(General Elective)**	MGMT3100	Management Theory and Practice
BUS104	Principles of Marketing **(General Elective)**	MARK3100	Principles of Marketing
Second Semester			
EGR101	Engineering Graphics **(Restricted Electives)**	ENGR2160	Engineering Graphics
ENG102	English Composition II	COSK1221	Argument and Research
MAT202	Calculus II	MATH2170	Calculus with Analytic Geometry II
PHY221	Physics for Science and Engineering I	PHYS1210	Physics I and Lab (1215)
CIT	Computer Programming Elective	INFS1020	Intro to Decision Support Systems
Third Semester			
MAT250	Calculus III	MATH3090	Calculus with Analytic Geometry III
PHY222	Physics for Science and Engineering II	PHYS2210	Physics II and Lab (2215)
	Humanities Elective **(ART, MUS, PHL, THE)**	HUMA1010	Humanities: Art and Music
CHM151	General Chemistry I **(Restricted Elective)**	CHEM1210	Chemistry I and Lab (1215)
CIT245	Data Structures & Programming: C++ **(Restricted Elective)*** **	INFS2184	C++ Programming
Fourth Semester			
MAT252	Differential Equations With Linear Alg	MATH3420	Differential Equations
PHY223	Physics for Science and Engineering III		Not Applicable
PSY101	General Psychology **(Social Science Elective)****	PSYC1010	General Psychology
SOC212	Social Problems **(Restricted Electives)**	SOCI1020	Contemporary American Social Prob.
ECO102	Principles of Macroeconomics or **(Rest Elec)** ECO103 Principles of Microeconomics	ECON1010	Survey of Economics

**Students may also complete any HIS/POL course for their Social Science requirement at CCAC.

***Students may also choose from the following to fulfill this requirement: CIT145 Programming in C, CIT161 Visual Basic: Windows Programming, or CIT111 Introduction to Programming: JAVA