

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 Engineering with a concentration in Biomedical Engineering, Industrial Engineering, Mechanical Engineering or Software Engineering.

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 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:

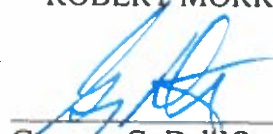
COMMUNITY COLLEGE OF ALLEGHENY COUNTY

ROBERT MORRIS UNIVERSITY



Quintin B. Bullock, DDS
President

6/4/15
Date



Gregory G. Dell'Omo, Ph.D.
President

4-9-15
Date

EFFECTIVE FALL 2015

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 |
| COSK2220 | Public Speaking and Persuasion | 3 | | INFS1020 | Introduction to Decision Support Systems | 3 |
| COSK2230 | Professional Communications | 3 | | *MATH2070 | Calculus w/Analytic Geometry I | 4 |
| ECON1010 | Survey of Economics | 3 | | PSYC1010 | General Psychology | 3 |
| ELIT ____ | Literature Elective | 3 | | SOCI1020 | Contemporary American Social Prob | 3 |

2. MATH AND SCIENCE--31 Credits

| | | | | | |
|----------|---|---|----------|-------------------------------------|----------------|
| BIOL1210 | Anatomy and Physiology I | 3 | MATH2170 | Calculus with Analytic Geometry II | 4 |
| BIOL1215 | Anatomy and Physiology I Lab | 1 | MATH3090 | Calculus with Analytic Geometry III | 4 |
| | One set (4) credits from the following: | | MATH3420 | Differential Equations | 3 |
| BIOL1220 | Anatomy and Physiology II | 3 | CHM152 | PHYS1210 | Physics I |
| BIOL1225 | Anatomy and Physiology II Lab | 1 | CHM152 | PHYS1215 | Physics I Lab |
| | or CHEM2210 Chemistry II | | | PHYS2210 | Physics II |
| | and CHEM2215 Chemistry II Lab | | | PHYS2215 | Physics II Lab |
| ENGR2080 | Engineering Statistics | 3 | | | |

3. BUSINESS--9 Credits

| | | | | | |
|----------|----------------------------|---|----------|--------------------------------|---|
| ACCT1020 | Fundamentals of Accounting | 3 | MGMT3100 | Management Theory and Practice | 3 |
| MARK3100 | Principles of Marketing | 3 | BUS104 | | |

4. BASIC ENGINEERING—12 Credits

| | | | | | |
|----------|-----------------------------------|---|----------|-----------------------|---|
| ENGR1610 | Statics and Strength of Materials | 3 | ENGR2160 | Engineering Graphics | 3 |
| ENGR2140 | Circuits and Electromagnetics | 3 | ENGR2180 | Engineering Materials | 3 |

5. MAJOR--31 Credits

| | | | | | |
|-----------|-----------------------------------|---|-----------|--|---|
| ENGR1010 | Introduction to Engineering | 3 | *ENGR3510 | Biomechanics | 3 |
| *ENGR2100 | Dynamics | 3 | *ENGR4520 | Design and Manufacturing of Biomedical Engineering Devices and Systems | 4 |
| *ENGR2510 | Biomedical Engineering Principles | 3 | *ENGR4900 | Engineering Practice | 3 |
| *ENGR3110 | Thermodynamics and Energetics | 3 | *ENGR4950 | Integrated Engineering Design | 3 |
| ENGR3200 | Value Design | 3 | | | |
| *ENGR3300 | Fluid Mechanics | 3 | | | |

6. APPROVED ELECTIVES--3 Credits Minimum (Choose two from the following: ENGR3600 Production Engineering, ENGR3680 Intro to Quality Engineering, ENGR4030 Project Engineering, ENGR4170 Numerical Methods, ENGR4200 Safety and Methods Engineering, ENGR4510 Introduction to Biomaterials, ENGR4700 Robotics and Automation, and ENGR4801 Rapid Prototyping and Reverse Engineering)

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IMPORTANT NOTES:

Up to 57 credits apply to this degree program from CCAC

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

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

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 - MCEN

Checksheet Code - EB

ROBERT MORRIS UNIVERSITY

**ACADEMIC REQUIREMENTS FOR
Bachelor of Science
Major: ENGINEERING
Concentration: Industrial Engineering**

EFFECTIVE FALL 2015

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 |
| COSK2220 | Public Speaking and Persuasion | 3 | | INFS1020 | Introduction to Decision Support Systems | 3 |
| COSK2230 | Professional Communications | 3 | | *MATH2070 | Calculus w/Analytic Geometry I | 4 |
| ECON1010 | Survey of Economics | 3 | | PSYC1010 | General Psychology | 3 |
| ELIT _____ | Literature Elective | 3 | | SOCI1020 | Contemporary American Social Prob | 3 |

2. MATH AND SCIENCE--25 Credits

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

3. BUSINESS--9 Credits

| | | | | | | |
|----------|----------------------------|---|--------|----------|--------------------------------|---|
| ACCT1020 | Fundamentals of Accounting | 3 | | MGMT3100 | Management Theory and Practice | 3 |
| MARK3100 | Principles of Marketing | 3 | BUS104 | | | |

4. BASIC ENGINEERING--9 Credits

| | | | | | | |
|----------|-----------------------------------|---|--------|----------|-----------------------|---|
| ENGR1610 | Statics and Strength of Materials | 3 | | ENGR2180 | Engineering Materials | 3 |
| ENGR2160 | Engineering Graphics | 3 | EGR101 | | | |

5. MAJOR--30 Credits

| | | | | | | |
|----------|------------------------------------|---|--|------------|--------------------------------|---|
| ENGR1010 | Introduction to Engineering | 3 | | ENGR4200 | Safety and Methods Engineering | 3 |
| ENGR2500 | Human Factors Engineering | 3 | | *ENGR4900 | Engineering Practice | 3 |
| ENGR3200 | Value Design | 3 | | *ENGR4950 | Integrated Engineering Design | 3 |
| ENGR3500 | Material Handling and Plant Layout | 3 | | ENGR _____ | Engineering Elective | 3 |
| ENGR3700 | Manufacturing Planning and Control | 3 | | INFS2184 | C++ Programming | 3 |

6. APPROVED ELECTIVES--12 Credits Minimum (Choose four from the following: ENGR3250 Automated Identification Systems, ENGR3600 Production Engineering, ENGR3650 Product and Tool Design, ENGR3680 Intro to Quality Engineering, ENGR3900 Optimization Technology Industrial Engineering, ENGR4030 Project Engineering, ENGR4400 Device Control, ENGR4650 Simulation, ENGR4700 Robotics and Automation or ENGR4801 Rapid Prototyping and Reverse Engineering)

| | | | | | | |
|-------|-------|---|-------|-------|-------|---|
| _____ | _____ | 3 | _____ | _____ | _____ | 3 |
| _____ | _____ | 3 | _____ | _____ | _____ | 3 |

IMPORTANT NOTES:

Up to 57 credits applied to this degree program from CCAC

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 - ENGR

Checksheet Code - ED

EFFECTIVE FALL 2015

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) | | |
| COSK2221 | Intercultural Communications | | | HUMA1010 | Humanities: Art and Music | 3 |
| COSK1221 | Argument and Research | 3 | ENG102 | INFS1020 | Introduction to Decision Support Syst | 3 |
| COSK2220 | Public Speaking and Persuasion | 3 | | *MATH2070 | Calculus w/Analytic Geometry I | 4 |
| COSK2230 | Professional Communications | 3 | | PSYC1010 | General Psychology | 3 |
| ECON1010 | Survey of Economics | 3 | | SOCI1020 | Contemporary American Social Prob | 3 |
| ELIT _____ | Literature Elective | 3 | | | | |

2. MATH AND SCIENCE--25 Credits

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

3. BUSINESS--9 Credits

| | | | | | | |
|----------|----------------------------|---|--------|----------|--------------------------------|---|
| ACCT1020 | Fundamentals of Accounting | 3 | | MGMT3100 | Management Theory and Practice | 3 |
| MARK3100 | Principles of Marketing | 3 | BUS104 | | | |

4. BASIC ENGINEERING—12 Credits

| | | | | | | |
|----------|-----------------------------------|---|--|----------|-----------------------|---|
| ENGR1610 | Statics and Strength of Materials | 3 | | ENGR2160 | Engineering Graphics | 3 |
| ENGR2140 | Circuits and Electromagnetics | 3 | | ENGR2180 | Engineering Materials | 3 |

5. MAJOR--33 Credits

| | | | | | | |
|-----------|-------------------------------|---|--|-------------|-------------------------------|---|
| ENGR1010 | Introduction to Engineering | 3 | | *ENGR4100 | Machine Design | 3 |
| *ENGR2100 | Dynamics | 3 | | *ENGR _____ | Engineering Elective | 3 |
| *ENGR3110 | Thermodynamics and Energetics | 3 | | *ENGR4900 | Engineering Practice | 3 |
| ENGR3200 | Value Design | 3 | | *ENGR4950 | Integrated Engineering Design | 3 |
| *ENGR3300 | Fluid Mechanics | 3 | | *INFS2184 | C++ Programming | 3 |
| *ENGR3350 | Heat Transfer | 3 | | | | 3 |

6. APPROVED ELECTIVES--6 Credits Minimum (Choose two from the following: ENGR3250 Automated Identification Systems, ENGR3500 Material Handling and Plant Layout, ENGR3600 Production Engineering, ENGR3650 Product and Tool Design ENGR3680 Intro to Quality Engineering, ENGR4030 Project Engineering, ENGR4170 Numerical Methods, ENGR4200 Safety and Methods Engineering, ENGR4400 Device Control, ENGR4700 Robotics and Automation and ENGR4801 Rapid Prototyping and Reverse Engineering)

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3

IMPORTANT NOTES:

Up to 57 credits apply to this degree program from CCAC

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 - MCEN

Checksheet Code - EH

EFFECTIVE FALL 2015

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 |
| COSK2220 | Public Speaking and Persuasion | 3 | | INFS1020 | Introduction to Decision Support Syst | 3 |
| COSK2230 | Professional Communications | 3 | | *MATH2070 | Calculus w/Analytic Geometry I | 4 |
| ECON1010 | Survey of Economics | 3 | | PSYC1010 | General Psychology | 3 |
| ELIT ____ | Literature Elective | 3 | | SOCI1020 | Contemporary American Social Prob | 3 |
| | | | | | | MAT201 |
| | | | | | | PSY101 |
| | | | | | | SOC212 |

2. MATH AND SCIENCE –25 Credits

| | | | | | | |
|----------|-------------------------------------|---|--------|----------|----------------|--------|
| ENGR2080 | Engineering Statistics | 3 | | PHYS1210 | Physics I | 3 |
| MATH2170 | Calculus with Analytic Geometry II | 4 | MAT202 | PHYS1215 | Physics I Lab | 1 |
| MATH3090 | Calculus with Analytic Geometry III | 4 | MAT250 | PHYS2210 | Physics II | 3 |
| MATH3420 | Differential Equations | 3 | MAT252 | PHYS2215 | Physics II Lab | 1 |
| MATH4000 | Discrete Mathematics | 3 | | | | |
| | | | | | | PHY221 |
| | | | | | | PHY221 |
| | | | | | | PHY222 |
| | | | | | | PHY222 |

3. BUSINESS –9 Credits

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

4. BASIC ENGINEERING—9 Credits

| | | | | | | |
|----------|-----------------------------------|---|--|----------|----------------------|--------|
| ENGR1610 | Statics and Strength of Materials | 3 | | ENGR2160 | Engineering Graphics | 3 |
| ENGR2140 | Circuits and Electromagnetics | 3 | | | | EGR101 |

5. MAJOR –30 Credits

| | | | | | | |
|-----------|--------------------------------------|---|--|-----------|-------------------------------|--------|
| ENGR1010 | Introduction to Engineering | 3 | | *ENGR4900 | Engineering Practice | 3 |
| ENGR3200 | Value Design | 3 | | *ENGR4950 | Integrated Engineering Design | 3 |
| *ENGR3400 | Software Verification and Validation | 3 | | *INFS2151 | JAVA Programming | 3 |
| *ENGR3410 | Fundamentals of Software Engineering | 3 | | *INFS2184 | Programming in C++ | 3 |
| *ENGR4450 | Distributed Systems Implementation | 3 | | *INFS3185 | Data Structures with C++ | 3 |
| | | | | | | CIT245 |

6. APPROVED ELECTIVES—12 Credits Minimum

Students may choose from the following courses: ENGR3420 Computer Architecture for Software Engineers, ENGR4170 Numerical Methods, ENGR4650 Simulation, ENGR4700 Robotics and Automation, INFS3210 Operating Systems Concepts, INFS3188 Object-Oriented Applications Programming, INFS3440 Health Care Information Systems, INFS4240 Database Management Systems, INFS4241 Open Source e-Commerce Development, INFS4630 Intro to Geographic Information Systems, INFS3230 Networks/Data Computer Communications, INFS3235 Computer and Network Security, and/or INFS3236 Local Area Network Design Management.

| | | | |
|-------|---|-------|---|
| _____ | 3 | _____ | 3 |
| _____ | 3 | _____ | 3 |

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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 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 checklist.

Major Code – ENGR

Checksheet Code – EG

SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS

| CCAC COURSES | | | | RMU EQUIVALENT | |
|------------------------|---|----------------|---------------------|-----------------------|-------------------------------------|
| CRSE NO | COURSE TITLE | CRSE NO | COURSE TITLE | CRSE NO | COURSE TITLE |
| First Semester | | | | | |
| EGR100 | Engineering Seminar | | | | Not Applicable |
| ENG101 | English Composition I | COSK1220 | | | Reading/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 Elective) | 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 |
| CHM152 | General Chemistry II (Restricted Elective)**** | CHEM2210 | | | General Chemistry II and Lab (2215) |
| SOC212 | Social Problems (Restricted Elective) | SOCI1020 | | | Contemporary American Social Prob. |

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

***Not applied to the Biomedical Engineering Concentration

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

****Applied to the Biomedical Engineering Concentration only