

**APPENDICES  
APPENDIX A  
B.A. IN CONSTRUCTION MANAGEMENT (BACM)  
PROGRAM REQUIREMENTS<sup>1</sup>**

**B.A. IN CONSTRUCTION MANAGEMENT PROGRAM REQUIREMENTS**

Course	Course Title	Credits
CM 01301	Fundamentals of the Const. Industry I	3
CM 01302	Fundamentals of the Const. Industry II	3
CM 01304	Project Administration	3
CM 01305	Construction Cost Account, Estimating, and Finance	3
CM 01303	Project Building Systems	3
CM 01306	Construction Project Planning and Scheduling	3
CM 01408	Industry Relations in the Construction Industry	3
CM 01410	Building Construction Systems and Codes	3
CM 01409	Building Energy Systems for Construction Managers	3
CM 01411	Construction Safety & Loss Prevention	3
CM 01407	Advanced Leadership and Communication	3
CM 01412	Capstone Course — Writing Intensive (WI)	3

**ROWAN CORE REQUIREMENTS**

Course	Course Title	Credits
COMP 01111	College Composition I - Communicative Literacy	3
COMP 01112	College Composition II - Communicative Literacy	3
CMS 04205 or CMS 04206	Public Speaking or Digital Presentations - Communicative Literacy	3
QTNL Attribute	Quantitative Literacy Course	3
SCIL Attribute	Scientific Literacy Course	4
ARTL Attribute	Artistic Literacy Course	3
GLBL Attribute	Global Literacy Course	3
HUML Attribute	Humanistic Literacy Course	3
LIT Attribute	Literature Course	3

1. See APPENDIX B for a complete list of courses required for the AAS Construction Management to BACM degree pathway.

**APPENDIX B**  
**A.A.S. IN CONSTRUCTION MANAGEMENT AT HUDSON COUNTY TO**  
**B.A. IN CONSTRUCTION MANAGEMENT AT ROWAN UNIVERSITY**

Key: The course in **bold** is the course the student should take. [The course in brackets is the equivalent course at RU]

	Semester 1 Hudson	Semester 2 Hudson
1	<b>CSS 100 College Student Success (1CR)</b> [INTR 99070 Free Elective (1CR)]	<b>Diversity Elective (3CR)</b> [Artistic Literacy, Global Literacy OR Broad-Based Literature (3CR)] <sup>2</sup>
2	<b>ENG 101 College Composition I (3CR)</b> [COMP 01111 College Composition I (3CR) Communicative Literacy]	<b>ENG 103 Technical Report Writing (3CR)</b> [WA 01302 Intro to Technical Writing (3CR)]
3	<b>MAT 100 College Algebra (3CR)</b> [MATH 01123 College Algebra OR INTR 99070 Free Elective (3CR)] <sup>1</sup>	<b>CHP 100 Introduction to Chemistry (3CR)</b> [CHEM 05100 Prep College Chem (2CR) + CHEM 05075 GE Chemistry Elective (1CR)]
4	<b>CSC 100 Intro to Computers and Computing (3CR)</b> [INTR 99000 NC/Non-Transferrable (OCR)]	<b>CNM 120 Intro Engineering Sci and Calcs (4CR)</b> [INTR 99070 Free Elective (4CR)]
5	<b>ENG 112 Public Speaking (3CR)</b> [CMS 04205 Public Speaking Communicative Literacy (3CR)]	<b>MAT 103 Business Mathematics (3CR)</b> [MATH 01123 College Algebra OR INTR 99070 Free Elective (3CR)] <sup>1</sup>
	<b>13 Total Semester Credits</b> [10 Total Semester Credits]	<b>16 Total Semester Credits</b> [16 Semester Credits]
	Semester 3 Hudson	Semester 4 Hudson
1	<b>EGS 101 Engineering Graphics (2CR)</b> [CEE 08102 Engineering Graphics (2CR)]	<b>CNM 220 Construction Codes (3CR)</b> [INTR 99070 Free Elective (3CR)]
2	<b>SCI 101 Introduction to Physical Science (3CR)</b> [PHSC 01110 Prin Physical Sci (3CR)]	<b>ECO 201 Principles of Macroeconomics (3CR)</b> [ECON 04101 Intro-Econ Macroecon (3CR) Humanistic Literacy]
3	<b>CNM 202 Const. Proceed Materials and Tests (4CR)</b> [INTR 99070 Free Elective (4CR)]	<b>CNM 230 Project Planning and Control (3CR)</b> [INTR 99070 Free Elective (3CR)]
4	<b>CNM 205 Surveying and Site Planning (3CR)</b> [SET 01208 Route/Construct Sury (3CR)]	<b>CNM 225 Cost Estimation (3CR)</b> [INTR 99070 Free Elective (3CR)]
5	<b>CNM 201 Introduction to Basic Structures (3CR)</b> [INTR 99070 Free Elective (3CR)]	<b>CNM 222 Construction Project Management (4CR)</b> [INTR 99070 Free Elective (4CR)]
	<b>15 Total Semester Credits</b>	<b>16 Total Semester Credits</b>

	[15 Semester Credits]	[16 Semester Credits]
	<b>HUDSON COUNTY 60 TOTAL PROGRAM CREDITS</b>	<b>ROWAN 57 TOTAL TRANSFER CREDITS</b>
	<b>Semester 5 Rowan</b>	<b>Semester 6 Rowan</b>
1	COMP 01112 College Composition II (3CR) Communicative Literacy	If needed, GLBL Global Literacy Course OR Free Elective (3CR) <sup>1</sup>
2	If needed, LIT Literature Course OR Free Elective (3CR) <sup>2</sup>	Free Elective (3CR)
3	SCIL Scientific Literacy (Lab) Course (4CR)	QNTL Quantitative Literacy (Math) Course (4CR)
4	If needed, ARTL Artistic Literacy Course OR Free Elective (3CR) <sup>1</sup>	CM 01303 Project Building Systems (3CR)
5	CM 01301 Fundamentals of the Construction Industry I (3CR)	CM 01302 Fundamentals of the Construction Industry II (3CR)
	<b>16 Total Semester Credits</b>	<b>16 Total Semester Credits</b>
	<b>Semester 7 Rowan</b>	<b>Semester 8 Rowan</b>
1	CM 01409 Building Energy Systems for Construction Managers (3CR)	CM 01412 Capstone Course - WI - Writing Intensive (3CR)
2	CM 01304 Project Administration (3CR)	CM 01411 Construction Safety & Loss Prevention (3CR)
3	CM 01407 Advanced Leadership and Communication (3CR)	CM 01410 Building Construction Systems and Codes (3CR)
4	CM 01306 Construction Project Planning and Scheduling (3CR)	CM 01408 Industry Relations in the Construction Industry (3CR)
5	CM 01305 Construction Cost Account, Estimating, and Finance (3CR)	Free Elective (1CR) <i>*If needed for total 120CR for BACM</i>
	<b>15 Total Semester Credits</b>	<b>15 Total Semester Credits</b>
	<b>DEGREE PROGRAM TOTAL CREDITS</b>	<b>120</b>

1. Students cannot earn the same credits twice. MATH 01123 College Algebra will be assigned to the course with the highest grade and the remaining will be assigned INTR 99070 Free Elective.
2. The following Hudson County GE Diversity electives fulfill one or more Rowan literacy requirement: ANT 101 [ANTH 02202 Global]; ART 120 [ARHS 03220 Artistic]; LIT 215/225 [ENGL 02075 Literature]; MUS 102 [MUSG 06447 Artistic & Global]; MUS 104 [MUSG 06220 Artistic]; PHL 103 [REL 10214 Humanistic & Literature]; SOC 260 [SOC 08230 Humanistic]

**APPENDIX C**  
**ROWAN CONSTRUCTION MANAGEMENT**  
**CERTIFICATE OF UNDERGRADUATE STUDIES (CUGS)**

**CONSTRUCTION MANAGEMENT CERTIFICATE**

The Construction Management CUGS is designed for students entering the construction field and are looking to get a fundamental understanding of how the industry works. The certificate covers the standard design phases: programming, conceptual design, schematic design, design development, construction documents and construction administration.

<b>COURSE #</b>	<b>COURSE TITLE</b>	<b>CREDITS</b>
CM 01301	Fundamentals of the Construction Industry I	3
CM 01302	Fundamentals of the Construction Industry II	3
CM 01303	Project Building Systems	3
CM 01304	Project Administration	3

**PROJECT MANAGEMENT CERTIFICATE**

The Project Management CUGS is intended for students who have a basic understanding of the construction processes and are ready to obtain more in-depth industry knowledge. It covers concepts related to space use and occupancy, types of contraction, fire-resistive construction, interior finishes, building materials, inspections and tests. Students will familiarize themselves with construction building codes with reference to the International Buildin Codes (IBC I.

<b>COURSE #</b>	<b>COURSE TITLE</b>	<b>CREDITS</b>
CM 01305	Construction Cost Accounting, Estimating & Finance	3
CM 01306	Construction Project Planning & Scheduling	3
CM 01409	Building Energy Systems for Construction Managers	3
CM 01410	Building Construction Systems & Codes	3

**CONSTRUCTION LEADERSHIP CERTIFICATE**

The Construction Leadership CUGS is designed for students who wish to learn the unionized environment of the construction field as well as the communication, writing and research skills required to be an effective construction leader. It covers various perspectives on the collective bargaining systems and includes legal and regulatory environment, problem-solving and the roles of labor and corporation. The applied research contained within the Construction Leadership certificate will allow students to become subject matter experts ready to lead construction units and/or their very own construction companies.

<b>COURSE #</b>	<b>COURSE TITLE</b>	<b>CREDITS</b>
CM 01407	Advanced Leadership & Communication	3
CM 01408	Industrial Relations in the Construction Industry	3
CM 01411	Construction Safety & Loss Prevention	3
CM 01412	Capstone Course - Writing Intensive	3

**APPENDIX D  
ROWAN UNIVERSITY  
MASTER OF ENGINEERING MANAGEMENT (MEM)**

The MEM online program provides professional engineers with the leadership skills they need to advance to management-level positions. The MEM makes it convenient for working professionals to attend class while pursuing their engineering management career goals. Students explore administrative procedures such as organizational behavior and teamwork, strategic decision making, and supervising. The combination of engineering and business courses provide an ideal balance of advanced technical concepts and managerial skills with a focus on project management.

Program Overview:

10 Courses/30 Credits

Part-time program offered in an accelerated online format.'

Students can focus on one of two tracks:

1. Construction management
2. Project management

**REQUIRED COURSES (18CR)**

<b>COURSE #</b>	<b>COURSE TITLE</b>	<b>CREDITS</b>
EM 01501	Engineering Economics	3
EM 01511	Strategic Risk Management	3
EM 01512	Quality in Engineering Management	3
EM 01513	Engineering Decisions	3
EM 01541	Engineering Law and Ethics	3
EM 01542	Facilities Management	3
EM 01543	Systems in Engineering Management	3
MGT 06666	Managing Engineering Teams	3
MGT 06677	Management Skills for Engineers	3
MIS 02526	Project Management for Engineers	3

**CONSTRUCTION MANAGEMENT TRACK COURSES (12CR)**

<b>COURSE #</b>	<b>COURSE TITLE</b>	<b>CREDITS</b>
EM 01521	Construction Management	3
EM 01522	Construction Scheduling	3
EM 01523	Cost Engineering	3
CEE 08504	Engineering Estimating	3

**PROJECT MANAGEMENT TRACK COURSES (12CR)**

<b>COURSE #</b>	<b>COURSE TITLE</b>	<b>CREDITS</b>
EM 01513	Engineering Decision Making	3
MGT 06677	Management Skills for Engineers	3
MGT 06666	Managing Engineering Teams	3
EM 05142	Facilities Management	3

1. 2 courses are scheduled per semester for 5 consecutive semesters resulting in possible degree completion in less than 24 months.

**Note:** The courses listed above are not official and are subject to change. For an official list of available courses please visit the Rowan Global section tally