



Construction Management - Associate in Applied Science (2020-21 Catalog)

SEMESTER-BY-SEMESTER PROGRAM MAP FOR FULL-TIME STUDENTS

Courses are listed in preferred order of completion

Plans can be modified to fit student needs by adding more semesters

Choose your courses with your Advisor.

Developmental Education Courses (if required)			
<input type="checkbox"/>	ACLS050	Introduction to Academic Literacy	<input type="checkbox"/>
<input type="checkbox"/>	ENGL027	Writing Skills Workshop	<input type="checkbox"/>

Location: B= BETH, M= MROE, S=SBTH, E= ESTN, D= DIST *subject to change

complete	Course #	Course Title	Credits	Gen Ed	Fall	Winter	Spring	Summer	Pre-requisites / Co-requisites
Semester 1	<input type="checkbox"/>	COLS101	College Success	1		B, M, D	----	B, M, D	D
	<input type="checkbox"/>	CISC101	Introduction to Information Technology	3		B, M, D	----	B, M, D	B, M, D
	<input type="checkbox"/>	CMGT101	Introduction to Construction Codes	3		B	----	----	----
	<input type="checkbox"/>	CMTH102	Introduction to Communication	3	Comm.	B, M, D	----	B, M, D	B, M, D
	<input type="checkbox"/>	ENGL101	English I	3	Comm.	B, M, D, E	----	B, M, D, E	----
	<input type="checkbox"/>	MATH120 or 140	Nature of Mathematics or College Algebra*	3	QL	B, M, D	D	B, M, D	B, M, D
		Total Semester Credits:	16						
Semester 2	<input type="checkbox"/>	CMGT102	Construction Methods and Materials	3		----	----	B	----
	<input type="checkbox"/>	CMGT103	Construction Safety and Health	3		----	----		----
	<input type="checkbox"/>	ENGL151R	English II (Report Writing)	3	Comm.	B, M, D	----	B, M, D	B, D
	<input type="checkbox"/>	PHIL202G	Ethics and Moral Problems (WI)	3		B, M, D	----	B, M, D	D
	<input type="checkbox"/>		SIT General Education Elective	3	SIT	B, M, D	D	B, M, D	B, M, D
		Total Semester Credits:	15						
Semester 3	<input type="checkbox"/>	ACCT101	Financial Accounting I	3		B, M, D	----	B, M, D	B, M, D
	<input type="checkbox"/>	BUSA205	Management Fundamentals	3		B, M, D	----	B, M, D	D
	<input type="checkbox"/>	CMGT104	Construction Print Reading	3		B	----	B	----
	<input type="checkbox"/>	CMGT105	Project Mgmt and Administration	3		----	----	B	----
	<input type="checkbox"/>	CMGT106	Construction Planning and Scheduling	3		B	----	----	----
	<input type="checkbox"/>		Elective	3		B, M, D	D	B, M, D	B, M, D
		Total Semester Credits:	18						
Semester 4	<input type="checkbox"/>	BUSA152	Business Law I	3		B, M, D	----	B, M, D	D
	<input type="checkbox"/>	CMGT201	Construction Estimating	3		----	----	B	----
	<input type="checkbox"/>	CADM235	Revit Fundamentals	3		----	----	B	----
	<input type="checkbox"/>	CMGT203	Construction Management Practicum**	3		----	----	B	----
	<input type="checkbox"/>		SSHB General Education Elective	3	SSHB	B, M, D	D	B, M, D	B, M, D
		Total Semester Credits:	15						
		Total Degree Credits	64						

General Education Requirements		
<input type="checkbox"/>		Diversity
<input type="checkbox"/>	PHIL202G	Writing Intensive

Notes: *Students should take MATH140 if they are considering transferring to a 4-year institution
 **Students are required to secure a workplace sponsor for the practicum. Assistance can be provided by the construction management staff to facilitate sponsorship.
 For the General Education Electives, one course should be designated Diversity and Global Awareness (D).

***It is the student's responsibility to be knowledgeable of NCC graduation requirements and to verify transfer requirements with the 4-year institution. Courses listed on the program map are based upon the assumption that prerequisites and courses taken in previous semesters will be successfully completed**

Societies & Institutions Over Time (SIT)
CMTH 221 History of Broadcasting
GEOG 101 World Geography
GEOG 151 Geography of the U.S. and Canada (G-WI)
GLBL 130 Intro to Global Studies
GLBL 160 Field Experience & Acad Research in GS
GLBL 230 Global Studies Capstone
HIST 103 Ancient and Medieval History
HIST 113 American History I (G-WI)
HIST 121 The Black Experience (G-WI)
HIST 123 African Civilization
HIST 140 Modern Chinese History
HIST 153 Found of Mod Euro History, 1300-1815 (G-WI)
HIST 163 American History II
HIST 165 The American Experience of Warfare (G-WI)
HIST 166 Civil War and Reconstruction (G-WI)
HIST 168 History of the Middle East (G-WI)
HIST 173 Mod European History, 1815 to Present (G-WI)
HIST183 Modern American History 1945-Present
HIST 210 History of Mod Science, 1859 to Present
HIST 211 History of Pennsylvania
INTS 201 Implementing Sustainable Energy System...
INTS 202 The Architecture of the City: Classic to Contemp.
POLS 101 Introduction to Political Science
POLS 105 American Constitutional Law (G-WI)
POLS 110 American National Government (G-WI)
POLS 150 Peace Studies & Conflict Resolution (Study Abroad)
POLS 170 Politics of Modern Turkey (Study Abroad)
POLS 202 International Relations
POLS 205 Women and Politics (G-WI)
POLS 251 State and Local Government (G-WI)
SOCA 102 Cultural Anthropology (G-WI)
SOCA 105 American Ethnicity
SOCA 160 Issues in Contemp.Genocide & Mass Violence

Electives
All courses except: 0XX-level courses; EARL221, EARL222

Diversity (D) Electives
BIOS 126 Environmental Science
BIOS 210 Environmental Biology
BUSA 115 Intro to International Business
CJST 250 Contemporary Issues in Criminal Justice
CMTH 126 The Communication Arts
CMTH 211 Plays: Classical to Contemporary
CMTH 215 Intercultural Communication
DANC 101 Dance History
ENGL 151L English II (Literature)
ENGL 205 American Literature I
ENGL 211 Plays: Classical to Contemporary
ENGL 215 Multicultural Adolescent Literature
ENGL 250 Latin American Literature
ENGL 251 British Literature II
ENGL 253 Creative Writing
ENGL 255 American Literature II
ENGL 256 Modern Poetry
ENGL 257 20th Century Lit by Women
ENGL 260 Contemporary Literature
ENGL 264 Irish Literature
ENGL 265 African-American Literature
ENGL 267 Poetry Writing
GEOG 101 World Geography
GEOG 121 Environmental Sustainability
GEOG 151 Geography of the U.S. and Canada
GEOG 210 Weather and Climate
GLBL 130 Intro to Global Studies
GLBL 160 Field Experience & Acad Research in GS
GLBL 230 Global Studies Capstone
HIST 113 American History I
HIST 121 The Black Experience
HIST 140 Modern Chinese History
HIST 165 The American Experience of Warfare
HIST 166 Civil War & Reconstruction
HIST 168 History of the Middle East
HIST 173 Mod Euro History: 1815-Present
HIST183 Modern American History 1945-Present
HUMA 121 American Work Experience
HUMA 140 Intro to Women and Gender Studies
HUMA 150 Nature of the Environment
HUMA210 Creativity and The Origin of Ideas
INTS 201 Implement Sustain Energy Sys in Dev Com
MATH 150 Introductory Statistics
Modern Language - All MDLA Courses
PHIL111 On Death and Dying
PHIL 121 World Religions
PHIL 204 Asian Philosophies
POLS 101 Introduction to Political Science
POLS 105G American Constitutional Law
POLS 150 Peace Studies & Conflict Resolution (Study Abroad)
POLS 202 International Relations
POLS205 Women & Politics
POLS 251 State & Local Government
PSYC 258 Developmental Psychology
SOCA 102 Cultural Anthropology
SOCA103 Principles of Sociology
SOCA 105 American Ethnicity
SOCA 150 Deviance
SOCA160 Issues in Cont Genocide & Mass Violence
SOCA204 Social Problems

Scientific Study of Human Behavior (SSHB)
ECON 201 Macroeconomics
GEOG 121 Environmental Sustainability (G-WI)
GEOG 140 Investigating Climate Change)
GEOG 271 Intro to Geographic Info Systems
HUMA 250 Research Methods in Social Sciences (G-WI)
INTS 250 Study Abroad
PSYC 103 Introduction to Psychology (G-WI)
PSYC 205 Research Methods
PSYC 230 Introduction to Health Psychology
PSYC 235 Dev Child Psychopathology
PSYC 245 Cognitive Psychology
PSYC 255 Abnormal Psychology
PSYC 258 Developmental Psychology (G-WI)
PSYC 265 Psychology of Sex and Gender
SOCA 103 Principles of Sociology (G-WI)
SOCA 125 Sociology of Families (G-WI)
SOCA 210 Sociology of Gender

Program Narrative:

Large-scale construction requires well-trained managers whose role it is to stay on top of every detail of the job. Construction managers must be familiar with all aspects of the building process, but they also need to be strong leaders. Because of this, our program not only covers essentials such as codes and blueprint reading, but also includes business law, ethics, planning and scheduling and other important management tools. This comprehensive approach results in graduates who are ready to be effective managers and administrators within the construction industry.

Through our balanced mix of liberal arts, specialized courses and hands-on training, Northampton offers you tremendous opportunity for success and professional growth. Our required practicum provides essential real world experience. During the practicum you will have the opportunity to perform various construction management functions, gain insight into the challenges of managing a site, and enhance your critical thinking, problem solving and communication skills.

This program can be completed in the day or evening, on a full-time or part-time basis. A few courses may not be offered in the evening every semester so students are advised to plan their schedule carefully to avoid any delay in graduation.

Core Progressive Threads of Construction Management

Leadership and supervisory

Health and Safety

Legal and ethical

Effective Communication and Public Relations

Program Learning Outcomes: Graduates of NCC's A.A.S. degree in Construction Management will be able to:

Understand the importance of management functions of planning, organizing, leading and controlling.

Describe construction operations as they relate to production processes, logistics, specifications, and regulatory requirements.

Integrate health and safety issues within the confines of regulatory compliance and current industry standards to the construction industry.

Interpret building and zoning codes and other regulatory requirements.

Interpret technical information in the form of architectural drawings, schematics, specifications, graphs and procedures.

Utilize effective written and oral communication skills.

Demonstrate the ability to work both independently and as part of a team.

Apply legal and ethical principles related to the construction industry.

Demonstrate a basic understanding of accounting/finance functions as it relates to the construction industry.

Transfer Information:

The program is designed to meet the needs of local workforce in various aspects of the industry not needing a Bachelor's degree.

The program is specifically intended for transfer to Pennsylvania College of Technology for those that desire a Bachelor's in Construction Management.

The program is eligible for the Bloomsburg partnership for their - Bachelor of Applied Science in Technical Leadership, that guarantees 60 credits of transfer for successfully completed AAS degrees.

Career Information: Job titles related to Construction Management education:

Construction	Technicians and tradespersons
Construction Managers	Construction Administrators
Construction and Building Inspectors	Construction Cost Estimators
Superintendents	Project Managers
Construction Company Owners	Construction Equipment Operators
Code Enforcement Officer	Construction Specifier

See <https://northampton.emsicc.com/programs/construction-management-aas/214379>