

# Architecture, Associate in Applied Science (2019-20 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.**

<b>Developmental Education Courses (if required)</b>			<input type="checkbox"/>	MATH020	Pre-Algebra
<input type="checkbox"/>	ACLS050	Introduction to Academic Literacy	<input type="checkbox"/>	MATH022	Elementary Algebra
<input type="checkbox"/>	ENGL027	Writing Skills Workshop	<input type="checkbox"/>	MATH026	Intermediate Algebra

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"/>	ARCH101	Architectural Graphics I	3		B	----	----	----	CO: ARCH110
	<input type="checkbox"/>	ARCH110	Architecture Design Studio I	3		B	----	----	----	CO: ARCH101
	<input type="checkbox"/>	ARCH100	Architectural Hist I- Antiquity to 1870	3	AH	B	----	----	----	
	<input type="checkbox"/>	ENGL101	English I	3	Comm.	B, M, D	----	B, M, D	B,M,D	PRE: English Placement Policy
	<input type="checkbox"/>	MATH140*	College Algebra	3		B, M, D	----	B, M, D	B,M,D	PRE: MATH026 or MATH Placement Policy
		Total Semester Credits:	16							
Semester 2	<input type="checkbox"/>	ARCH121	Architectural Graphics II	3		----	----	B	----	PRE: ARCH101 and ARCH110 w/ C or better
	<input type="checkbox"/>	ARCH150	Architecture Design Studio II	3		----	----	B	----	PRE: ARCH101 and ARCH110 w/ C or better
	<input type="checkbox"/>	ARCH155	Architectural Hist II – 1870 to Present	3	Comm.	----	----	B	----	
	<input type="checkbox"/>	ENGL151L	English II [Literature] (D)	3		B, M, D	----	B, M, D	B,M,D	PRE: ENGL101
	<input type="checkbox"/>	MATH145*	Trigonometry	3		B, M, D	----	B, M, D	B,D	PRE: MATH140 or Math Placement Policy
		Total Semester Credits:	15							
Semester 3	<input type="checkbox"/>	ARCH204	Design & Analysis of Structural Form	3		B	----	----	----	PRE: ARCH121 and MATH145
	<input type="checkbox"/>	ARCH210	Architecture Design Studio III	5		B	----	----	----	PRE: ARCH121 and ARCH150
	<input type="checkbox"/>	ARCH214	Architectural Materials and Construction Methods I	3		B	----	----	----	PRE: ARCH121
	<input type="checkbox"/>	ARCH215	Advanced Digital Analysis	3	Comm.	B	----	----	----	PRE: ARCH150
	<input type="checkbox"/>	CMTH102	Introduction to Communication	3		B, M, D	----	B, M, D	B,M,D	
		Total Semester Credits:	14							
Semester 4	<input type="checkbox"/>	ARCH250	Architecture Design Studio IV	5		----	----	B	----	PRE: ARCH210
	<input type="checkbox"/>	ARCH254	Architectural Materials and Construction Methods II	3		----	----	B	----	PRE: ARCH214
	<input type="checkbox"/>		SSHB or SIT General Education Elective	3	SIT/SSHB	B, M, D	D	B, M, D	B,M,D	
	<input type="checkbox"/>		Elective	3		B, M, D	D	B, M, D	B,M,D	
		Total Semester Credits:	14							
		Total Degree Credits	59							

### General Education Requirements

<input type="checkbox"/>	ENGL151L	Diversity
<input type="checkbox"/>	ARCH210/250	Writing Intensive

Notes: \*If a student places in Math beyond MATH140 and 145 – MATH180 Calculus I and MATH181 Calculus II should be taken for transfer.

ARCH200 Professional Internship (3 credits) – 225 hours of work in the professional environment - students secure internship and received 3 credits – this course may be used as the program's free elective.

**\*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)
HIST 183 Mod 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

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

Electives for A.A. & A.S. Degrees
All courses except: OXX-level courses; EARL221, 222

THE ARCHITECTURE AT NORTHAMPTON COMMUNITY COLLEGE IS DRIVEN BY ACCREDITATION AND LICENSURE AND AS SUCH THE TWO YEAR PROGRAM CURRICULUM IS PRESCRIBED BY THE NATIONAL ARCHITECTURAL ACCREDITING BOARD (NCARB)

**Program Information:**

- Architects and architectural technicians shape the built environment, creating homes, offices, schools and much more. Do you have a passion for creating on paper and with computers? A career in architecture or architecture-related fields could be a satisfying and rewarding profession. An associate's degree in Architecture from Northampton provides an affordable foundation for a traditional five-year degree program leading to a career as a licensed architect. It can also prepare you for work in the field upon graduation.
- Northampton 's program offers a mixture of academic , design and advanced computer technology coursework. You will receive a base of knowledge to broaden your perspective of the world. Our four semester design studio sequence emphasizes skills development in architectural conceptualization as well as design vocabulary and process. Supporting coursework in history, graphics and building technology mesh with your studio work to enhance your critical thinking, problem solving and communication skills. With computer technology dramatically changing the practice of architecture, Northampton's curriculum strives to stay on the leading edge of 2D and 3D technology across the curriculum. We also balance those technologies with traditional graphic and model making skills development.
- Please note that senior architecture schools consider applicants from Northampton on an individual basis and have traditionally granted both full and partial credit depending on the abilities of the student and the requirements of the transfer school.

**Program Outcomes:** Students who complete this program will be able to:

- Use abstract design ideas to interpret design information while investigating alternative outcomes based on research and analysis.
- Use a diverse range of media to think about and convey architectural ideas including writing, speaking, drawing and model making (both hand and digital media).
- Gather, access, record and comparatively evaluate relevant design information as part of the process of investigation.
- Examine and comprehend history and precedent and make informed choices regarding the incorporation of same into architecture and urban design projects.
- Identify parallel and divergent ideas and traditions of architecture and urban design influenced by the social, cultural, historical and philosophical determinants of a global society.
- Comprehend the technical aspects of design, systems, materials and principles of building structure and be able to apply that comprehension to architectural solutions.
- Respond to site characteristics including zoning, topography, vegetation and watershed in architecture and urban design projects.
- Prepare drawings and models illustrating and identifying the assembly of materials, systems and components for building design and structure.

**Transfer Information:**

- NCC's architecture program has a successful track record. To date, students have transferred to 29 universities.

**Career Information:**

ARCHITECTURE CAREER PATHS, ARCHITECT, ARCHITECTURAL TECHNICIAN, BUILDING INSPECTOR, ARCHITECTURAL/ BUILDING SALES