

# Course Planner for Bachelor of Technology degree (BTech)

Requirements starting in Spring 2020 and in effect afterwards. Consult a faculty advisor for other options. All students take the same courses in semesters 1-6. Applications to the BArch are available in January

## Department of Architectural Technology

AAS degree		Students must complete 64 credits of AAS degree plus the requirements for the BTech															
SEMESTER 1 14		SEMESTER 2 16-17		SEMESTER 3 16		SEMESTER 4 18		SEMESTER 5 17		SEMESTER 6 17		SEMESTER 7 14-16		SEMESTER 8 14			
<b>REQUIRED COURSES IN ARCHITECTURAL TECHNOLOGY</b>	ARCH 1112 (5) ARCH DESIGN I: Foundations and Visual Studies		ARCH 1212 (5) ARCH DESIGN II: Foundations and Visual Studies		ARCH 2312 (5) ARCHITECTURAL DESIGN III		ARCH 2412 (5) ARCHITECTURAL DESIGN IV		ARCH 3512 (5) ARCHITECTURAL DESIGN V		ARCH 3612 (5) ARCHITECTURAL DESIGN VI		ARCH 4712 (5) ARCHITECTURAL DESIGN VII URBAN DESIGN		ARCH 4812 (5) INTEGRATED DESIGN <b>Required</b>		
	ARCH 1101 (2) INTRO TO ARCH		ARCH 1121 (2) WORLD ARCH				ARCH TECH ELECTIVE (3)		ARCH TECH ELECTIVE (3)		ARCH 3612 OR ARCH 4712 is prerequisite for ARCH 4812 (required). Additional ARCH electives may be required to reach 92 credits= required core (13-14 cr) + 78 credits in ARCH. Check degree audit.		Only ONE 5 credit course can be taken per semester		ARCH 3630 (5 credits) is an elective.		
			ARCH 1231 (3) BUILDING TECHNOLOGY I		ARCH 2331 (3) BUILDING TECHNOLOGY II		ARCH 2431 (4) BUILDING TECHNOLOGY III		ARCH 3531 (3) BUILDING TECHNOLOGY IV		ARCH TECH ELECTIVE (3)		ARCH TECH ELECTIVE (3) if necessary				
			ARCH 1250 (2) SITE PLANNING		ARCH 2381 (2) STRUCTURES I		ARCH 2481 (3) STRUCTURES II				ARCH 3670 (3) BUILDING SYSTEMS		ARCH TECH ELECTIVE (3) if necessary		ARCH 4861 (3) PROFESSIONAL PRACTICE		
<b>CORE</b>	ENG 1101 (3) <u>Required core</u>				ARCH 2321 (3) W flexible core CREATIVE EXPRESSION				ARCH 3522 (3) W flexible core US EXPERIENCE		ONE COURSE (3) flexible core		ONE COURSE (3) Additional flexible Core		2 ADDITIONAL LIBERAL ARTS COURSES  <b>OR</b> 2 CONSECUTIVE FOREIGN LANGUAGE COURSES		
	MAT 1275 OR HIGHER (4) <u>Required core</u>		PHYSICS 1433(4) or 1441(5) <u>Required core</u>		ONE COURSE (3) flexible core		ONE COURSE (3) flexible core		INTERDISCIPLINARY COURSE (3,4)		ENG1121 (3) <u>Required core</u>		SPEECH / ORAL COMMUNICATIONS (3)				
						AAS degree						BTech degree					

### Flexible core categories

One course from each category is required plus one additional course

COURSE	CATEGORIES
	Creative Expression (ARCH 2321 required for ARCH TECH)
	Individual & Society
	Scientific World
	US Experience (ARCH 3522 required for ARCH TECH)
	World Cultures
	Additional Course (From one of the above categories)

### Required Core

ENG 1101 (3 cr)
ENG 1121 (3 cr)
MAT 1275 or higher (4)
PHYS 1433 or 1441 (4/5)
<b>TOTAL 13-14 credits</b>

### College Option

At least 2 liberal arts courses must be writing intensive

COURSE	OPTION CATEGORIES
	Speech / Oral communications
	Interdisciplinary Course
	Liberal Arts
	Liberal Arts <b>OR</b>
	Two Foreign Language Courses

● pre- or corequisite required. Go to Blackboard/ ARCH TECH ADVISEMENT for listing or to kiosk by room 818.

On City Tech website, search for flexible and or liberal arts for course listing. Listings are also on Blackboard and in kiosk by room 818

BSM 032422

Student: \_\_\_\_\_ Date: \_\_\_\_\_

**PATHWAYS/ GEN ED/ LIBERAL ARTS FLEXIBLE CORE**

For convenience only. Consult CityTech website under pathways for accurate, updated information.

WORLD CULTURES & GLOBAL ISSUES		
AFR 1130	Africana Folklore	ENG 2101 English Literature II
AFR 1401	African Government	ENG 2160 Intro to Womens Studies
AFR 1460	Early African History	ENG 2300 Great Works of Literature I
AFR 1461	Modern African History	ENG 2301 Great Works of Literature II
AFR 1462	Blacks in Science	FREN 1101 Elementary French I
AFR 1467	Afro-Caribbean History	FREN 1102 Elementary French II
AFR 2212	Modern African Literature	FREN 2201 Intermediate French I
AFR 2222	Current Caribbean Literature	HIS 1101 Hist. of Western Civilization I
AFR 2612	African Philosophy & Religion	HIS 1102 Hist. of Western Civilization II
ANTH 1101	Intro to Anthropology	HIS 1103 Hist. of Western Civilization III
ANTH 1102	Comparative Religions	HIS 1501 The Origins of Islamic Civilization
ANTH 1103	Contemporary Women	HIS 1503 Modern Middle East & North Africa
ARB 1101	Elementary Arabic I	HIS 2000 Modern World History
ARB 1102	Elementary Arabic II	HIS 3402 Topics in 20th Cen. World History
ARB 2201	Intermediate Arabic I	LNG 1100 Language, Culture & Society
ARTH 1101	Hist. of Art: Prehistoric to Gothic	MUS 1212 Intro to World Music
ARTH 1102	Hist. of Art: Renaissance to Modern	PHIL 2121 Chinese Philosophy
ARTH 1103	Survey of Art History	PRS 1461 Latin American History
ARTH 1106	Modern Art	PRS 2202 Latin American Literature
ARTH 1108	The Arts of Asia	PRS 2211 Puerto Rican Literature
ARTH 1110	Arts of the Islamic World	SOC 3301 The Emerging Global Society
ARTH 3401	Italian Renaissance Art & Arch.	SPA 1101 Elementary Spanish I
CHN 1101	Elementary Chinese I	SPA 1102 Elementary Spanish II
CHN 1102	Elementary Chinese II	SPA 1301 Spa. for Native/Heritage Speakers
CHN 2201	Intermediate Chinese I	SPA 2201 Intermediate Spanish I
COM 2401	International Communications	SPA 2202 Intermediate Spanish II
ECON 2505	Environmental Economics	SPA 3301 Survey of Early Spanish Lit.
ENG 2100	English Literature I	SPA 3302 Survey of Modren Spanish Lit.

INDIVIDUAL & SOCIETY		
AFR 2250	Black Women in Literature	PHIL 2203 Health Care Ethics
ARTH 2101	Healing the Body...	PHIL 3208 Political Philosophy
COM 1330	Public Speaking	PHIL 3211 Philosophy of Law
COM 1335	Group Communication	PHIL 3212 Engineering Ethics
COM 2402	Intercultural Communication	PHIL 3400 Environmental Philosophy
COM 3401	Business &...Communication	PSY 1101 Introduction to Psychology
ECON 1401	Microeconomics	PSY 2300 Developmental Psychology
ENG 1151	Intro to Journalism	PSY 2301 Child Psychology
ENG 1161	Language and Thinking	PSY 2302 Psy Adolescents & Adults
ENG 1773	Weird Science...	PSY 2303 Psychology of Aging
ENG 2000	Perspectives in Literature	PSY 2401 Social Psychology
ENG 2150	Intro. to Women Writers	PSY 2402 Psychology of Personality
ENG 2420	Science Fiction	PSY 2403 Abnormal Psychology
ENG 3401	Law Through Literature	PSY 2404 ...Organizational Psychology
ENG 3402	Topics in Literature	PSY 3405 Health Psychology
ENG 3403	One Major Writer	SOC 1101 Elements of Sociology
ENG 3404	The Lit. of Illness and Care	SOC 1102 Urban Sociology
LIB 1201	Research ...in the Info. Age	SOC 1103 The Family
PHIL 2101	Intro. to Philosophy	SOC 2201 Sociology of Aging
PHIL 2103	Ethics	SOC 2401 Society, Technology & Self
PHIL 2104	Ancient Philosophy	SOC 2403 Law and Society
PHIL 2106	Philosophy of Technology	SOC 3302 Environmental Sociology
		SOC 3402 Sociology of Social Problems

US EXPERIENCE IN ITS DIVERSITY	
AFR 1465	Early African American Hist.
AFR 1466	Modern African American Hist.
AFR 1501	Current Community Problems
AFR 1502	Soc. Of Urban Poverty
AFR 2201	Early Black Writers
AFR 2202	Contemporary Black Literature
AFR 3000	Black New York
ARCH 3522	History of NYC Architecture
ARTH 1104	Art of the United States
ECON 1101	Macroeconomics
ECON 2403	Labor Management Relations
ENG 2180	Studies in Identity & Orientation
ENG 2190	Expressions of Identity
ENG 2200	American Literature I
ENG 2201	American Literature II
ENG 2250	Asian American Lit & Culture
GOV 1101	American Government
GOV 1102	State & Local Government
GOV 2402	Public Policy
HIS 1110	History of the US to 1877
HIS 1111	History of the US since 1865
HIS 2405	History of Foodways in America
HIS 3208	History of Immigration
HIS 3209	History of Technology
HIS 3310	Env. Hist of North America
PRS 2501	Puerto Rican & Latin American
SOC 1104	Race & Ethnic Relations

Scientific World	
BIO 1201	Biology II
BIO 2311	Human Anatomy & Physiology I
BIO 2312	Human Anatomy & Physiology II
BIO 3302	Microbiology
BIO 3350	Bioinformatics I
CHEM 1110	General chemistry I
CST 1000	Foundations of Computing
ESCI 1210	Environmental Science II
GEOG 1101	Elements of Physical Geography
MAT 1272	Statistics
MAT 1280	Quantitative Mathematics
MAT 1315	Tech Math w/ Applications II
MAT 1372	Statistics with Probability
MAT 1375	Precalculus
MAT 1475	Calculus I

CREATIVE EXPRESSION	
AFR 1301	Introduction to African Art
AFR 1304	African American/ Caribbean Art
AFR 1311	African American/ Caribbean Music
AFR 1321	Black Theater
AFR 1503	Hip Hop Worldview
AFR 2302	African Art & Architecture of Africa
ARCH 2321	Hist. of 20th Century Architecture
ARTH 1100	Hist. & App. of Photography
ARTH 1112	Intro to Film
ARTH 3311	The History of Graphic Design
COM 1340	Oral Interpretation of Lit
ENG 1141	Creative Writing
ENG 2001	Intro to Fiction
ENG 2002	Intro to Literature II: Drama
ENG 2003	Intro to Literature III: Poetry
ENG 2170	Intro Studies: Maleness & Manhood
ENG 2400	Literature from Film
ENG 3407	Gothic Lit & Visual Culture
MUS 1210	Musical Styles
MUS 1211	Music of Latin America
MUS 2206	Jazz
MUS 2207	20th Century Music
THE 2180	Introduction to the Theatre
THE 2280	History of the Theatre
THE 2380	Play Analysis & Aesthetics

**Courses in Flexible Core as of Spring 2020**

AAS students are **required** to take ARCH 2321 (creative expressions) & 2 courses in other categories.

BTech students are **required** to take ARCH 2321 (creative expressions) and ARCH 3522 (US experience.) & 4 courses in other areas. There is a maximum of 2 courses in any one category.

Courses highlighted in **green** are **suggested** for Arch Tech students (they are not required to take those specifically)

**ArchTech Electives as of Spring 2020**

AAS students are required to take one elective. BTech students are required to take 2-3 electives for a total of 78 credits in ArchTech. Not all electives are offered every semester.

ARCHITECTURE ELECTIVES	ARCHITECTURE ELECTIVES	
	ARCH 3550	Building Performance Workshop
	ARCH 3551	Sustainability: History & Practice
	ARCH 3570	Lighting & Acoustics
	ARCH 3590	Fabrication I
	ARCH 3591	Architectural Animations
	ARCH 3609	Integrated Software in Arch Office
	ARCH 3630	Advanced Materials Workshop
	ARCH 3640	Hist of Perser. Theory & Practice
	ARCH 3662	Government Regulations
	ARCH 3690	Fabrication II
	ARCH 3691	Advanced Design & Building Info II
	ARCH 3900	Architecture Study Abroad
	ARCH 4709	Adv 3d Modeling & Rendering
	ARCH 4740	Cons. Tech. for Existing Buildings
ARCH 4780	Case Studies in Structural Eng	
ARCH 4791	Advanced Design & Building Info II	
ARCH 4831	Design to Build	
ARCH 4890	Fabrications III	
ARCH 4900	Architectural Internship	
FMGT 3620	Building systems I	
FMGT 4720	Building Systems II	
FMGT 4780	Intro to Space Planning	
MAT 1475	Calculus I	