New Program Proposal

Date Submitted: 03/13/26 4:19 pm

Viewing: BA-ASAI : Bachelor of Arts in Architectural Studies with Artificial Intelligence

Last edit: 03/17/26 1:26 pm

Changes proposed by: nagle

Program Status	Active			
Requestor	Name	Kathleen Nagle	E-mail	
nagle@iit.edu				
Origination Date	2026-3-13			
Is this an interdisciplinary program?	No			
Is this an incubator program?	Yes			
Is this stem-eligible?	No			
Available for direct application?	Yes			
Academic Unit	College of Architecture			
College	College of Architecture			

Program Title
   Bachelor of Arts in Architectural Studies with Artificial Intelligence

Effective Academic Year	2026 - 2027	Effective Term	
	Fall 2026		
Academic Level	Undergraduate		

4. 03/17/26 1:27 pm
Ayesha Qamer
(aqamer): Approved
for Academic Affairs

5. 03/17/26 3:22 pm
Joseph Gorzkowski
(jgorzkow):
Approved for
Undergraduate
Academic Affairs

If all courses in a subject in your department are required, please enter each subject followed by the number ranges in the "Quick Add" field in the pop up box when you click the green plus button below. For example: ARCH 100-499.

What courses will factor the major GPA?	AURB 465 - Urbanism
	ARCH 100-499 - Course ARCH 100-499 not Found
	AAH 119 - History of World Architecture I
	AAH 120 - History of World Architecture II
	LA 497 - Special Projects

Program Type	Degree
Degree Type	Bachelor of Science (BS)

CIP Code

04.0803 - Architectural Studies.

Is there more than one Academic Unit proposer?

No

Program Code	BA-ASAI

Program Attribute

Total Program Credit Hours	120

Program Narrative and Justification

Narrative description of how the institution determined the need for the program. For example, describe what need this program will address and how the institution became aware of that need. If the program is replacing a current program(s), identify the current program(s) that is being replaced by the new program(s) and provide details describing the benefits of the new program(s). If the program will be offered in connection with, or in response to, an initative by a governmental entity, provide details of that initiative.

Incubator Program for the +AI initiative

Narrative description of how the program was designed to meet local market needs, or for an online program, regional or national market needs. For example, indicate if Bureau of Labor Statistics data or State labor data systems information was used, and/or if State, regional, or local workforce agencies were consulted. Include how the course content, program length, academic level, admission requirements, and prerequisites were decided; including information received from potential employers about course content; and information regarding the target students and employers.

Incubator Program for the +AI initiative

Narrative description of any wage analysis the institution may have performed, including any consideration of Bureau of Labor Statistics wage data related to the new program.

Incubator Program for the +AI initiative

Narrative description of how the program was reviewed or approved by, or developed in conjunction with, one or more of the following: a) business advisory committees; b) program integrity boards; c) public or private oversight or regulatory agencies (not including the state licensing/authorization agency and accrediting agency); and d) businesses that would likely employ graduates of the program. For example, describe the steps taken to develop the program, identify when and with whom discussions were held, provide relevant details of any proposals or correspondence generated, and/or describe any process used to evaluate the program.

Incubator Program for the +AI initiative

Admission Entry Details

Available Fall Admit	Yes	Available Spring Admit	Yes	
			Available Summer Admit	
No				
Available On Campus	Yes No		Available Online	
Available Full-Time	Yes		Available Part-Time	
Yes				
Available International	No Yes		Available Domestic	

What are the enrollment estimates?

Year 1	2	Year 2	4	Year 3	8

Attach Additional Program Justification Document(s)

Academic Information

Advising

Since quality advising is a key component of good retention, graduation, and career placement, how will students be mentored? What student professional organizations will be formed? How will the department work with the Career Services office to develop industry connections?

Advising:
In the College of Architecture, all first and second-year students are advised by the Assistant Dean for Undergraduate Academic Advising. Since the BA, BA with AI, and BArch students will begin their studies with the same coursework, they will initially be advised together. During their first semesters, the advisor will help all architecture students clarify which path they want to continue after their second year at which point they will be advised by other faculty in their area of interest.

Student Organizations:
The College of Architecture has several very active student organizations that will also support the BA students. IitAIAS, iit NOMAS, Arquitectos and ASLA are all chapters of professional organizations within the college that offer professional and social programming as well as co-curricular events such as lectures, office visits, portfolio workshops and field trips.

Career Services and Industry connections:
The College of Architecture has a robust connection to local and national architecture firms and related industries through our professional faculty (majority of our faculty are practicing architects). The CoA works with local firms to place interns and externs. We work with Career Services to host firms in architecture and related fields for the Career Fairs. The potential careers within architecture are varied and diverse. Students graduating with a BA in Architectural Studies with Artificial Intelligence will have similar opportunities to BArch students, but can fill other roles in the professional setting.

Program Resources

Which program resources are necessary to offer this program?
Personnel
Facilities

Describe the personnel requirements necessary to offer the program. Describe how and when resources will be made available to hire any additional personnel that are required.

Use existing resources

Describe the facilities requirements necessary to offer the program. Describe how and when resources will be made available to obtain any additional facilities that are required.

Use existing resources

Proposed Catalog Entry

Admission
Requirements

Admission to all undergraduate programs at Illinois Tech is evaluated via a holistic approach that takes various factors under consideration, including your high school performance and essays. Your choice of major will impact this process as well, because each major has its own criteria for admission.

To learn more about our admission selection process, recommended high school coursework, and our admitted student profile, please visit our admission website.

Course Requirements

Architecture Requirements		(33)
ARCH 100	Introduction to Architecture	3
ARCH 107	Design Communication I: Introduction	3
ARCH 108	Design Communication II: Advanced	3
ARCH 113	Architecture Studio I: Elements	6
ARCH 114	Architecture Studio II: Unit	6
ARCH 201	Architecture Studio III: House	6
ARCH 215	Site Design, Planning, and Ecology	3
ARCH 413	Architectural Practice	3
Building Science and Structural Requirements		(6)
ARCH 230	Systems: Structural Analysis	3
ARCH 334	Material: Metal	3
Art and Architectural History Requirements		(9)
AAH 119	History of World Architecture I	3
AAH 120	History of World Architecture II	3
ARCH 321	Contemporary Architecture	3
Architecture and Urbanism Requirements		(3)
AURB 465	Urbanism	3
Architecture Electives		(15)
Select 15 credit hours [1]		15
Certificate in AI Fluency		(9)
CS 180	Artificial Intelligence Foundations	3
COM 200	AI, Data, and Communications	3

MATH 123	AI for Computational Mathematics and Coding	3
Certificate in AI Management		**(9)**
Data Literacy		
Choose 1 of the following 2 courses		
DS 151	Introduction to Data Science	3
or BUS 102	Introduction to Business Analytics	
Organizational Transformation		
BUS 432	Artificial Intelligence in Business	3
Ethics and Responsible Use of AI		
Choose 1 of the following 4 courses: [3]		
PHIL 381	Artificial Intelligence, Philosophy and Ethics	3
or DS 261	Ethics and Privacy in Data Science	
or PHIL 372	Ethics of Technology and Communication	
or PHIL 380	Topics in Philosophy	
Mathematics Requirements		**(5-6)**
MATH 151	Calculus I [2]	5-6
or MATH 119 & MATH 122	Geometry for Architects and Introduction to Calculus	
or MATH 119 & STAT 225	Geometry for Architects and Introductory Statistics	
Physics Requirement		**(4)**
PHYS 200	Introduction to Energy, Waves, Materials, and Forces	4
Humanities and Social Science Requirements		**(21)**
See Illinois Tech Core Curriculum, sections B and C		21
Interprofessional Projects (IPRO)		**(6)**
See Illinois Tech Core Curriculum, section E		6
Total Credit Hours		120-121

[1]
In place of two 3-credit Architecture Electives, the student may substitute ARCH 202 Studio IV (6 credits) with advisor permission.

[2]
Math 119 (3 credits) and Math 122 (3 credits) are the recommended courses to meet the Mathematics requirement. STAT 225 (3 credits) may be substituted for Math 122. Math 151 (5 credits) can also be taken to satisfy the Mathematics requirement.

[3]
The PHIL 380 topic that satisfies the Artificial Intelligence requirement is PHIL 380 Philosophy of Data Science

Sample Curriculum/Program Requirements

Semester 1	Credit Hours	Semester 2	Credit Hours
ARCH 100	3	ARCH 108	3
ARCH 107	3	ARCH 114	6
ARCH 113	6	Humanities 200+	3
Math Requirement[1]	5		
	17		12

Semester 1	Credit Hours	Semester 2	Credit Hours
ARCH 201	6	ARCH 230	3
ARCH 215	3	AAH 120	3
AAH 119	3	Architecture Elective[2]	3
PHYS 200	4	Humanities, Social Sciences or COM Elective	3
		CS 180	3
	16		15

Semester 1	Credit Hours	Semester 2	Credit Hours
AURB 465	3	ARCH 321	3
ARCH 334	3	Architecture Elective	3
Architecture Elective	3	Humanities Elective 300+	3
Social Sciences Elective	3	COM 200	3
MATH 123	3	DS 151 or BUS 102	3
	15		15

Semester 1	Credit Hours	Semester 2	Credit Hours
ARCH 413	3	Architecture Elective	3
Architecture Elective	3	Humanities Elective 300+	3
Social Sciences Elective 300+	3	Social Sciences Elective 300+	3
IPRO Elective I	3	IPRO Elective II	3
PHIL 381, DS 261, PHIL 372, or PHIL 380[3]	3	BUS 432	3
	15		15

Total Credit Hours: 120

[1] Math 119 (3 credits) and Math 122 (3 credits) are the recommended courses to meet the Mathematics requirement. STAT 225 (3 credits) may be substituted for Math 122. Math 151 (5 credits) can also be taken to satisfy the Mathematics requirement.

[2] In place of two 3-credit Architecture Electives, the student may substitute ARCH 202 Studio IV (6 credits) with advisor permission.

[3] PHIL 380 Philosophy of Data Science

Specialization
Requirements

Program Outcomes and Assessment Process

What are your learning objectives in this program? Please list each learning objective in the boxes below:

Note: These should be the same as described in your assessment plan at the bottom of this form.

Learning Objective 1: History Theory and Culture: Students will understand the historical, cultural, sociological and economic factors surrounding Architectural design and Urbanism and their effect on the development of the built environment.

Learning Objective 2: Fundamentals of Architectural Technologies: Students will be introduced to the principles of structural systems, building material technologies and site design, and will apply these principles to designs in an urban context.

Learning Objective 3: Ecological Responsibility and Awareness: Students will understand the role of Architecture in the built environment. They will have an understanding of the dynamic between built and natural environments and explore designs and practices that encourage environmental responsibility.

Learning Objective 4: Professional Practice: Students will understand the fundamental principles of business and ethics in the profession, as well as regulatory practices related to land use, building standards and contractual relationships.

Learning Objective 5: Visual and Verbal Communication: Students will be able to communicate through evidence-based writing and oral presentation to present a concept or idea. Students shall also be able to use digital media and apply the conventions of architectural representation to communicate a design, design process or analysis.

Upload your
assessment plan
here:
Assessment Plan_BA_ARCHITECTURAL STUDIES with ARTIFICIAL INTELLIGENCE.xlsx

Undergraduate Program Requirements

What courses will factor the major GPA?

Undergraduate Degree Requirements

Minimum credit hours   120

Specialization required?
   No

Minor required?
   No

Proposed General Curriculum

List Major Course Requirements

ARCH 100	Introduction to Architecture	3
ARCH 107	Design Communication I: Introduction	3
ARCH 108	Design Communication II: Advanced	3
ARCH 113	Architecture Studio I: Elements	6
ARCH 114	Architecture Studio II: Unit	6
ARCH 201	Architecture Studio III: House	6
ARCH 215	Site Design, Planning, and Ecology	3
ARCH 230	Systems: Structural Analysis	3
ARCH 321	Contemporary Architecture	3
ARCH 334	Material: Metal	3
ARCH 413	Architectural Practice	3
AURB 465	Urbanism	3
AAH 119	History of World Architecture I	3
AAH 120	History of World Architecture II	3
Architecture Electives		15
MATH 151	Calculus I	5-6

List Mathematics Requirements		
or **MATH 119** & **MATH 122**	Geometry for Architects and Introduction to Calculus	
or **MATH 119** & **STAT 225**	Geometry for Architects and Introductory Statistics	

List Science Requirements	
PHYS 200 and major requirements will satisfy the Natural Science or Engineering Core requirement.	

List Computer Science Requirements	
Satisfied by major requirements.	

List Humanities and Social Sciences Requirements	
See Illinois Tech Core Curriculum, sections B and C	
21 credit hours	

List Interprofessional Project (IPRO) Requirements	
See Illinois Tech Core Curriculum, section E.	
6 credit hours	

List Technical Elective Course Options	

List Free Elective Credit Hours (if applicable)	

Semester-by-semester plan of study for the degree program	

Reviewer Comments	
Ayesha Qamer (aqamer) (03/17/26 1:26 pm): 3/17/2026, AQ: Adjusted program code.	