Pages Pending Approval

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PAGE	USER
/programadmin/4: BAC-ARCH: Bachelor of Architecture	Eva Kultermann
/programadmin/355: BS-AANL: Bachelor of Science in Applied Analytics	Sarah Pariseau
/programadmin/26: BS-CRES: Bachelor of Science in Consumer Research, Analytics, and Communication	Arlen Moller

Page Info | Workflow Status | Attached Files | Revision History

Title: BAC-ARCH: Bachelor of Architecture
Last Update: Sep 10, 2018 9:44am
Template: cim
Page Authors: any
Workflow: Robert Newman
College: AR
Department: Architecture and Urbanism

PAGE REVIEW 🖨 | Hide Changes | View Changes By: All Changes | Edit | Rollback | Approve

Program Change Request

Date Submitted: 09/10/18 9:44 am

Viewing: BAC-ARCH : Bachelor of Architecture

Last approved: 04/27/18 3:18 pm

Last edit: 09/10/18 9:44 am

Changes proposed by: kultermann

Catalog Pages Using this Program	Bachelor of Architecture

Requestor	Name	**Eva Kultermann** ~~Sarah Pariseau~~	E-mail	**kultermann@iit.edu** ~~sparisea@iit.edu~~

Origination Date	**2018-9-10** ~~2018-4-27~~

Is this an interdisciplinary program?	No

Academic Unit College of Architecture	College of Architecture	College

Program Title	Bachelor of Architecture

Effective Academic Year	**2019** ~~2018~~ - **2020** ~~2019~~	Effective Term	Fall 2019

Academic Level	Undergraduate

Program Type	Degree

Degree Type	Professional Bachelor(BAC)

CIP Code	**04.0902** ~~04.0201~~ - **Architectural and Building Sciences/Technology.** ~~Architecture.~~

Is there more than one Academic Unit proposer?	No

Program Code	BAC-ARCH

Program Attribute	

In Workflow

1. **ARCH Curriculum Committee Chair**
2. **AR Associate Dean**
3. **Academic Affairs**
4. **AR Dean**
5. **Undergraduate Studies Committee Chair**
6. **Undergraduate Studies Committee Chair**
7. Faculty Council Chair
8. Academic Affairs
9. Registrar

Approval Path

1. 09/28/18 11:32 am Martin Felsen (felsen): Approved for ARCH Curriculum Committee Chair
2. 09/28/18 11:33 am Eva Kultermann (kultermann): Approved for AR Associate Dean
3. 09/28/18 11:36 am Sarah Pariseau (sparisea): Approved for Academic Affairs
4. 09/28/18 11:38 am Michelangelo Sabatino (msabatin): Approved for AR Dean
5. 09/28/18 11:41 am

Total Program Credit Hours	169

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.

The College of Architecture is submitting a change to the Classification of Instructional Program (CIP) code for our Bachelor of Architecture (B.Arch) program. Specifically, we are changing the code from 04.0201: Architecture, to 04.0902: Architectural and Building Sciences/Technology.

Architectural design is increasingly focused on the application of technology to the design of buildings. Architects use technical design expertise in the application and integration of computer, construction and mechanical system technologies during the building design process. Architectural design also uses new materials and technologies used in various building elements, and is closely aligned with advances in building science.

Our students are rigorously trained in structural, mechanical, electrical, plumbing and construction technologies, in addition to using the latest advances in digital technologies.

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.

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.

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.

What are the enrollment estimates?

Year 1   Year 2   Year 3

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?

Program Resources

Which program resources are necessary to offer this program?

Proposed Bulletin Entry

Admission Requirements

Course Requirements

Required Courses

Code	Title	Credit Hours
Course List		
Architecture Requirements		(78)
ARCH 100	Introduction to Architecture	3
ARCH 107	Design Communications I	3
ARCH 108	Design Communications II	3
ARCH 113	Arch Studio I: Elements	6
ARCH 114	Architecture Studio II: Unit	6
ARCH 201	Architecture Studio III: House	6
ARCH 202	Arch Studio IV: Multiple	6
ARCH 207	Design Communications III	3
ARCH 215	Site Design, Plan, & Ecology	3
ARCH 305	Architecture Studio V: Hybrid	6
ARCH 306	Arch Studio VI: Neighborhood	6
ARCH 413	Architectural Practice	3
ARCH 417	Arch Studio VII: Institution	6
ARCH 418	Arch Studio VIII: Institution	6
ARCH 419	Arch Cloud Studio IX: Metro	6
ARCH 420	Arch Cloud Studio X: Metro	6
Building Science and Structural Requirements		(18)
ARCH 230	Systems: Structural Analysis	3
ARCH 334	Material: Metal	3
ARCH 335	Material: Cementitious	3
ARCH 403	Environment & Bldg Systems I	3
ARCH 404	Environment & Bldg Systems II	3
ARCH 482	Material: Fibrous	3
or ARCH 483	Material: Transparent	
Art and Architectural History Requirements		(9)
AAH 119	Hist of World Architecture I	3
AAH 120	Hist of World Architecture II	3
ARCH 321	Contemporary Architecture	3
Architectural History Elective		(3)
Select three credit hours		3
Architecture and Urbanism Requirements		(6)
AURB 201	The Metropolis	3
AURB 465	Contemporary Urbanism	3
Architecture Electives		(15)
Select 15 credit hours		15
Mathematics Requirements		(6)
MATH 119	Geometry for Architects	3

MATH 122	Introduction to Calculus	3
Physics Requirement		(4)
PHYS 200	Energy, Waves, Mtrls, & 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
Non-Architecture Elective		(3)
Select three credit hours 1		3
Total Credit Hours		169

1 A non-architecture elective cannot be an AAH, ARCH, AURB, LA, or CAE course.

Sample Curriculum/Program Requirements

Bachelor of Architecture Curriculum

Year 1

Semester 1	Credit Hours	Semester 2	Credit Hours
ARCH 113	6	ARCH 114	6
ARCH 100	3	ARCH 108	3
ARCH 107	3	MATH 122	3
MATH 119	3	AURB 201	3
Humanities 200-level Course	3		
	18		15

Year 2

Semester 1	Credit Hours	Semester 2	Credit Hours
ARCH 201	6	ARCH 202	6
ARCH 207	3	ARCH 215	3
AAH 119	3	AAH 120	3
PHYS 200	4	ARCH 230	3
		Humanities or Social Sciences Elective	3
	16		18

Year 3

Semester 1	Credit Hours	Semester 2	Credit Hours
ARCH 305	6	ARCH 306	6
ARCH 334	3	ARCH 321	3
ARCH 403	3	ARCH 335	3
AURB 465	3	ARCH 404	3
Social Sciences Elective	3	Humanities Elective (300+)	3
	18		18

Year 4

Semester 1	Credit Hours	Semester 2	Credit Hours
ARCH 417	6	ARCH 418	6
ARCH 482 or 483	3	ARCH 413	3
Architecture Elective	3	IPRO Elective I	3
Architectural History Elective	3	Architecture Elective	3
Social Sciences Elective (300+)	3	Non-Architectural Elective1	3
	18		18

Year 5

Semester 1	Credit Hours	Semester 2	Credit Hours
ARCH 419	6	ARCH 420	6
IPRO Elective II	3	Architecture Elective	3
Architecture Elective	3	Architecture Elective	3
Social Sciences Elective (300+)	3	Humanities Elective (300+)	3
	15		15

Total Credit Hours: 169

1 A non-architecture elective cannot be an AAH, ARCH, AURB, LA, or CAE course.

Specialization Requirements

Architectural History and Theory

In addition to the required history/theory courses, including the architectural history elective, students must take three additional history/theory electives (nine credit hours).

Design/Build

In addition to a design/build studio (ARCH 417 or ARCH 418), students must take three design/build electives (nine credit hours).

Digital Design

In addition to the required design communications courses, students must take three digital design electives (nine credit hours).

Landscape Architecture

In addition to a landscape architecture cloud studio (ARCH 419 or ARCH 420), students must take three landscape architecture electives (nine credit hours).

Self-Directed Specialization

A student may propose a self-directed specialization in a relevant architectural subject. A self-directed specialization must be approved by the student's adviser and the college and must include a minimum of three architectural electives (nine credit hours) in addition to the required core/studio courses related to the specialization.

Program Outcomes and Assessment Process

What are the learning goals for this program?

In what semesters will the data be collected to assess this learning goal, and by whom?

Provide the name of the rubric that will be used to assess the extent to which students are achieving this learning goal.

How often and by whom will the data be analyzed? What benchmarks or targets will be used to interpret your results?

Briefly describe the process that will be used to share the results with faculty and use these to motivate program improvement.

Attach Additional Assessment Document(s)

Undergraduate Program Requirements

Undergraduate Degree Requirements

Minimum credit hours	169
Specialization	Optional

required?

Notes about specialization requirement | 9 credit hours.

Minor required? | No

Proposed General Curriculum

Degree credit hours required | 169

Specialization credit hour requirement | 9

List Major Course Requirements

List Mathematics Requirements

List Science Requirements

List Computer Science Requirements

List Humanities and Social Sciences Requirements

List Interprofessional Project (IPRO) Requirements

List Technical Elective Course Options

List Free Elective Credit Hours (if applicable)

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

Specialization

Report to Faculty Council

Reviewer Comments