DEGREE/PROGRAM CHANGE
FORM C
Form Number: C1550

Fields marked with * are required

Name of Initiator: John David Quale   **Email:** quale@unm.edu   **Phone Number:** 505 277-1199   **Date:** 11-02-2014

Associated Forms exist? | Yes ▼   Initiator's Title | Professor: SAAP Architecture Program

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Proposed effective term

Semester | Fall ▼ Year | 2015 ▼

Course Information

Select Appropriate Program | Undergraduate Degree Program ▼

Name of New or Existing Program | Bachelor of Arts in Architecture

Select Category | Major ▼ Degree Type | Bachelor

Select Action | Revision ▼

Exact Title and Requirements as they should appear in the catalog. If there is a change, upload current and proposed requirements.
See current catalog for format within the respective college (upload a doc/pdf file)

[BAA Form C.pdf]

☐ **Does this change affect other departmental program/branch campuses? If yes, indicate below.**

Reason(s) for Request (enter text below or upload a doc/pdf file)
See reasoning in the document attached.

Upload a document that inlcudes justification for the program, impact on long-range planning, detailed budget analysis and faculty workload implications.(upload a doc/pdf file)

[BAA Form C.pdf]

☐ **Are you proposing a new undergraduate degree or new undergraduate certificate? If yes, upload the following documents.**

Upload a two-page Executive Summary authorized by Associate Provost. (upload a doc/pdf file)

Upload memo from Associate Provost authorizing go-ahead to full proposal. (upload a doc/pdf file)

Proposed Modifications to
BACHELOR OF ARTS IN ARCHITECTURE (BAA) PROGRAM

SEE CHART DESCRIBING CHANGES ATTACHED AT END

The primary purposes of this proposal are:
1) to improve our visualization curriculum
2) to increase the chances that our students can be admitted to an advanced-standing path in a Master of Architecture program
3) to provide our BAA students with greater flexibility to take coursework outside architecture
4) to move closer to achieving the target 120 credit hours for an undergraduate degree at UNM

Visualization Curriculum
In the 200 and 300 level studios, we would like to integrate graphic communication (or visualization) course work into the ARCH 201, 202, 301 and 302 Architectural Design Studios. We will add one credit of the two credit Architectural Communication classes now held during the same semester into that semester's studio credit hours – increasing them from four credits to five. UNM students have clearly expressed that they want the content of these courses to be more related to their studio, and the faculty agree with this concern. The other credit will be directed to a set of topics elective courses, ARCH 471 / 671 Architectural Visualization (see associated Form B), of which the students will be required to take four credits sometime during their degree. This provides students with the opportunity to direct the focus of their visualization expertise. This is a strategy used at many universities across the country, and it has proven to be popular with architecture students.

We are already in the process of developing and offering a set of one or two credit elective courses that take on sketching, graphics, fabrication, portfolio development, photography, software training, etc. In fact three of these courses at being tested during the January 2015 intersession: Architectural Portfolio; Work Flow and REVIT. Each of these courses were specifically requested by students.

Admission to Advanced Standing Master of Architecture Programs
With only four credits for the ARCH 201, 202, 301 and 302 Architectural Design Studios, our recent BAA graduates do not have enough hours to be considered for a two year Master of Architecture program. We have heard this from several graduates, and verified that many programs now require a minimum of five credit studios to be considered for the two year path, instead of the three year. This proposal increases the credits hours for those students from four credits to five credits, but also allows for a more integrated approach to visualization with design studio.

Greater Flexibility for BAA Students
This proposal provides greater flexibility to BAA students by allowing them to control half of their visualization credits, and also by eliminating two courses from the list of required courses. One of those courses, ARCH 342 Architectural Programming and Human Factors, has content that is more appropriately placed in the professional graduate program. The other course, ARCH 442, Poltiics, Culture and Architecture will be merged with content from ARCH 422 Practice and Theory, and renamed ARCH 442 Design Leadership.

Alignment with UNM Target of 120 Credit Hours for a Bachelors Degree
This proposal places our BAA at 121-122 credit hours, compared to 128 previously.

Justification: Access to useful and relevant visualization coursework was the most consistent concern and/or complaint expressed by both graduate and undergraduate students. The articulation of this concern emerged from numerous meetings and conversations with various groups of students this semester. Students want the content of these courses to be relevant to the studio content.

In addition, with many visualization skills, it is difficult find a faculty member to teach a wide range of

them, especially when it comes to specialized software. This allows us to break some courses into smaller chunks that can be taught by the best-qualified person, and also give us the opportunity to teach these shorter courses during the intersessions.

Another justification for these changes is that it offers greater flexibility to BAA students that may not be interested in pursuing a professional degree and becoming a licensed architect. Anecdotally, we have estimated that as many as 50% of our BAA students (and pre-professional architecture students nationally) do not continue into professional degree architecture programs. Many of them use their design, critical thinking and visualization skills in other fields such as other design professions (set design, web design, fashion, game design, etc.), as well as construction management, real estate development, landscape architecture, engineering, urban design and other jobs related to the built environment. These students, some of which are among our very best, wish to have more say in determining a concentration or focus for their trajectory after their degree.

Impact on long-range planning
This change should make our BAA program more appealing to prospective students thereby increasing our overall applicant pool in terms of numbers and quality. The change should also aid in our recruitment efforts and increase our competitiveness with peer institutions. We would like to increase our enrollment in the BAA program.

Budget Analysis
This change will not impact the program's budget.

Faculty Workload Implications
There are no new implications on faculty workload with this curriculum change. Faculty are working their full teaching load, and the net impact of these changes does not impact that calculation. We will need to be offering more elective courses. If enrollment goes up significantly, we may have to hire more part time faculty or request a new line, but that is far down the road.

Bachelor of Arts in Architecture - CURRENT VERSION
Required Courses and Electives - Typical Sequence

First Year	All first year classes must be taken for a letter grade		
			Credit Hours
ARCH 111	Introduction Architectural Graphics	Fa	3
ARCH 121*	Introduction to Architecture	Fa	3
ARCH 109	Design Fundamentals	Sp	3
MATH 123	Trigonometry		3
-or-	Pass Trigonometry Compass Exam & 3 credit hour elective		
MATH 162	Calculus I		
-or-			
MATH 180*	Elements of Calculus I		4
ENGL 110	Accelerated Composition		3
-or-			
ENGL 112	Composition II		
-or-			
ENGL 113	Enhanced Composition		
ENGL 120*	Composition III		3
PHYC 102*/102L*	Introduction to Physics/Lab*		4
-or-			
PHYC 151/151L	General Physics/Lab		
	Other UNM Core Curriculum courses		6
	Minimum Total		**31-32**

Second Year			
ARCH 201**	Architectural Design I	Fa	4
ARCH 211**	Architectural Communications I	Fa	2
ARCH 241**	Sustainability I	Fa	3
ARCH 202**	Architectural Design II	Sp	4
ARCH 211**	Architectural Communications I	Sp	2
ARCH 221**	Architecture and Context	Sp	3
	UNM Core Curriculum Courses		12
	Total		**30**

Third Year			
ARCH 301	Design Studio III	Fa	4
ARCH 311	Architectural Communications II	Fa	2
ARCH 321	World Architecture I	Fa	3
ARCH 331	Construction I	Fa	3
ARCH 302	Design Studio IV	Sp	4
ARCH 311	Architectural Communications II	Sp	2
ARCH 322	World Architecture I	Sp	3
ARCH 332	Structures I	Sp	3
ARCH 342	Architectural Programming and Human Factors	Sp	3
	Elective		3
	UNM Core Curriculum courses		3
	Total		**33**

Fourth Year			
ARCH 401	Design Studio V	Fa	6
ARCH 431	Structures II	Fa	3
ARCH 441	Sustainability II	Fa	3
ARCH 451	Research and Design	Fa	3
ARCH 402	Design Studio VI	Sp	6
ARCH 432	Building Systems	Sp	3
ARCH 442	Politics, Culture, and Architecture	Sp	3
ARCH 452	Practice and Theory	Sp	3
	Elective		3
	Total		**33**
	GRAND TOTAL		**127-128**

** Must earn at least a C+ in all 200-level ARCH courses

Bachelor of Arts in Architecture - PROPOSED CHANGES
Required Courses and Electives - Typical Sequence

First Year	All first year classes must be taken for a letter grade		
			Credit Hours
ARCH 111	Introduction Architectural Graphics	Fa	3
ARCH 121*	Introduction to Architecture	Fa	3
ARCH 109	Design Fundamentals	Sp	3
MATH 123	Trigonometry		3
-or-	Pass Trigonometry Compass Exam & 3 credit hour elective		
MATH 162	Calculus I		
-or-			
MATH 180*	Elements of Calculus I		4
ENGL 110	Accelerated Composition		3
-or-			
ENGL 112	Composition II		
-or-			
ENGL 113	Enhanced Composition		
ENGL 120*	Composition III		3
PHYC 102*/102L*	Introduction to Physics/Lab*		4
-or-			
PHYC 151/151L	General Physics/Lab		
	Other UNM Core Curriculum courses		6
	Minimum Total		**31-32**

Second Year			
ARCH 201**	Architectural Design I	Fa	5
ARCH 471**	Architectural Visualization	Fa	1
ARCH 241**	Sustainability I	Fa	3
ARCH 202**	Architectural Design II	Sp	5
ARCH 471**	Architectural Visualization	Sp	1
ARCH 221**	Architecture and Context	Sp	3
	UNM Core Curriculum Courses		12
	Total		**30**

Third Year			
ARCH 301	Architectural Design III	Fa	5
ARCH 471**	Architectural Visualization	Fa	1
ARCH 321	World Architecture I	Fa	3
ARCH 331	Construction I	Fa	3
ARCH 302	Architectural Design IV	Sp	5
ARCH 471**	Architectural Visualization	Sp	1
ARCH 322	World Architecture I	Sp	3
ARCH 332	Structures I	Sp	3
	Elective		3
	UNM Core Curriculum courses		3
	Total		**30**

Fourth Year			
ARCH 401	Architectural Design V	Fa	6
ARCH 431	Structures II	Fa	3
ARCH 441	Sustainability II	Fa	3
ARCH 451	Research and Design	Fa	3
ARCH 402	Architectural Design VI	Sp	6
ARCH 432	Building Systems	Sp	3
ARCH 442	Design Leadership	Sp	3
	Elective		3
	Total		**30**
	GRAND TOTAL		**121-122**

** Must earn at least a C+ in all 200-level ARCH courses