DEGREE/PROGRAM CHANGE
FORM C

Fields marked with * are required

Name of Initiator: Mark Childs   **Email:*** mchilds@unm.edu   **Date:*** 12-03-08

Phone Number:*   505 277-5059   Initiator's Rank / Title*   Associate Professor: Sch Arch Planning Gen Admin

Faculty Contact*   Mark C. Childs   Administrative Contact*   Sandra Needham

Department*   Architecture

Division   **Program**

Branch

Proposed effective term:

Semester   [Please Select ▼] Year   [2005 ▼]

Course Information

Select Appropriate Program   [Undergraduate Degree Program ▼] CIP Code

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

Catalog Page Number   108   Select Category   [Degree ▼]   Degree Type   Bachelors

Select Action   [Revision ▼]

Exact Title and Requirements as they should appear in the catalog.
See current catalog for format within the respective college (enter text below or upload a doc/pdf file)
See attached

CAT COPY 3rd round.doc

☐ **This Change affects other departmental program/branch campuses**

Reason(s) for Request   * (enter text below or upload a doc/pdf file)
See attached. Note that this is tied to a revision of the Masters Degree.
Existing chart(1).xls
MEMORANDUM from Claudia.doc
In response to concerns raised in conversation with Dean Roger Schluntz.doc
Reasons for Request 97.doc
ARCH Chart Oct 09.xls

Statements to address budgetary and Faculty Load Implications and Long-range planning   * (enter text below or upload a doc/pdf file)
See attached
Course amount changes(1).xls
Credit hours Chart May 09.xls

MEMORANDUM: May 15, 2009

TO:	Geraldine Forbes Isais, Director, Architecture Program
	Mark Childs, Associate Director, Architecture Program
FROM:	Claudia B. Isaac, Chair, SA&P Graduate and Curriculum Committee
RE:	Results of your requested review of proposed changes to the Architecture curriculum
CC:	Roger Schluntz, Dean, School of Architecture and Planning
	Elizabeth Barton, Associate Registrar

Per your May 5 email request, The SAAP Graduate and Curriculum Committee met on May 11 to address the Architecture Program's proposed revision of its undergraduate and graduate curricula. All faculty members of the committee were present (Claudia Isaac, Chair, Eleni Bastea, Alf Simon, and Mark Childs). No student member has been appointed to the committee.

The Committee reviewed its charge, and agreed that there is no historical practice of reviewing curriculum proposals initiated by the School's programs. However, given the circumstances of this proposal, and the fact that the School's by-laws do indicate a role for the Committee in curriculum review, we decided to review the Architecture proposal and forward our assessment to you, copied to the Dean. Since Associate Registrar Elizabeth Barton, has been involved in this review process from its inception, we are also copying our assessment to her.

The Committee reviewed the proposed catalogue language, and discussed proposed changes to existing courses, as well as new proposed courses. The proposed revision involves extensive reorganization of course numbering to ensure a logical pedagogic sequencing that ensures progressive and cumulative student learning; clustering of courses by newly conceived content areas; and development of new courses in sustainability, policy, culture & architecture, and undergraduate research.

Committee members made collegial comments on the content of the revision. Collectively, we agree that the curriculum is clear, cogent, and meets the school's needs for a substantive course of study for undergraduate and graduate students in architecture. We agreed that the proposed curriculum improves clarity in course numbering, sequencing, and required or suggested prerequisites. We agreed that the reorganization of existing courses, along with the addition of new courses, should also enhance architecture students' systematic contextual understanding of architecture beyond preoccupation with the building site. We also felt that the proposed curriculum's reduction in the number of dual numbered courses, and elimination of 200/500 level courses, will significantly enhance both the undergraduate and graduate learning experience.

The Committee's charge regarding curriculum review, however, limits our formal purview as follows:

> "The *GPCC* will review, advise, and recommend to the faculty, programs, and/or administration on <u>matters pertaining to programs and curricula that may transcend any single program or impact other programs</u>, including (among other things) …(p)roposed revisions in the requirements of existing degrees… (and) … (p)roposals for new courses for the UNM Catalog of possible duplication of objectives – as well as proposals for changes in existing courses; including credit hours, catalog description, and/or title.….."

Thus, though the committee felt that the substance of the revisions was fine and worthy of support, we limit our formal *recommendation* to consideration of interdisciplinary elements of the proposed curriculum, and on potential impacts that the revisions may have on other programs. We identified the following potential impacts (positive and potentially challenging):

1) There was some concern that the required community engaged studios (Arch 402 (Design Studio VI) for the BAA and Arch 602 (Design Studio II) for M. Arch students) could present challenges for other programs regarding whether or how to participate in the interdisciplinary community studios traditionally taught in the spring semester. This concern was alleviated by the clarification

that Arch 502 "*may* engage community clients and be offered in conjunction with Landscape and CRP studios", and that though Arch 602 "*will* engage community clients" it only "*may* be offered in conjunction with Landscape and CRP studios".

2) The committee discussed the potential impact of the proposed revisions on on-going discussions between the Architecture and Landscape programs about establishing a graduate dual-degree program. The committee reached the conclusion that these changes would enhance those deliberations in two ways:

   a. The creation of graduate cohorts in Architecture would mirror the current MLA structure, and so facilitate joint offerings and collaboration; and

   b. Some of the curricular structures considered by both faculties to be essential to the success of a dual degree are enabled by these Architecture curriculum revisions.

3) The replacement of a larger number of elective courses by a smaller number of required courses may increase class sizes, and so may increase competition between programs for larger rooms in George Pearl Hall. After some discussion, the committee agreed that the increased predictability of course offerings and likely class sizes (cohort-based) would allow for earlier planning and communication between programs about room size needs, and so would likely mitigate that concern.

4) The architecture faculty representatives on the Committee were asked about potential resource implications of this revision for the other programs in the School. The proposed revisions could reduce the number of students in LA 335, the undergraduate Site and Environment course, funded by the Landscape Architecture Program, since it would no longer be a requirement for BAA students. The Committee felt that the potential administrative and fiscal implications of these changes could be dealt with through deliberations between the relevant Program Directors, and did not necessitate a change in the proposed curriculum.

After a productive and collegial discussion, and a careful consideration of the potential impacts of the proposal on other programs in the School, the SAAP Graduate and Curriculum Committee recommends acceptance and advancement of the Architecture Faculty's proposed curriculum revisions.

In response to concerns raised in conversation with Dean Roger Schluntz, the following modifications have been made to the proposal as of May 15, 2009:

- The course descriptions on all studio courses 300 level and above has been slightly modified to better conform to the 2009 draft NAAB learning objectives while still conforming to current NAAB learning objectives.
- Building, context, and practice/research courses in the undergraduate program have been moved to as late in the program as possible and the order of some of the courses has changed. Thus the numbering on these sequences has changed.
- The number of required credit hours per term has been made as equal as possible per term with the exceptions of (1) the last two terms of the 2 year stream, and (2) the summer term of the 3.5 yr stream which are purposely reduced.
- 522 has been changed so that the 2 and 3.5 year students take the same course.
- Master studio IV which had spanned two terms is split into masters studio IV (evidence-based studio) and masters studio V (comprehensive studio).

Organizational Leadership – 15 hours
http://orgleadership.mgt.unm.edu/bbacurriculum.asp

The Organizational Leadership concentration focuses on leadership theory and principles and their application to practice. Core ethical principles and theories, the role of the leader in managing change and innovation, and leading a diverse workforce will be emphasized. The concentration will prepare students for a career in all types of organizations (private, government, non-profit) in which they expect to play a leadership role. Students are required to take MGT 362, 307, and 458 plus any two of: MGT 462, 457, 469, 492.

Within this concentration, students may substitute other Anderson School courses, or courses outside the Anderson School, with the department chair's prior written approval.

Exisiting　　　　　　　　　　　　　　B.A.A.　　　　　　　　　　M.Arch.

	First Year Fall	First Year Spring	Second Year Fall	Second Year Spring	Third Year Fall	Third Year Spring	Fourth Year Fall	Fourth Year Spring	Fifth Year Fall	Fifth Year Spring		Sixth Year Fall	Sixth Year Spring	BAA	2yr	6
Studio		Intro	Studio 1	Studio 2	Studio 3	Studio 4	Studio 5	Studio 6	Hist / T	Tech		M	Comm			
former #		101 (3)	201 (4)	202 (4)	301 (6)	302 (6)	402 (6)	404 (6)	501 (6)	502 (6)		598 (6)	503 (6)	35	24	59
Comm.	Draw		Graph 1	Graph 2												
former #	104 (3)		204 (2)	205 (2)										7	0	7
History	Arts 2D		World 1	World 2					Elect				Elect			
former #	Arts (3)		261 (3)	262 (3)					? (3)				? (3)	9	6	15
Bldg.			Const 1		EC 1	Struct 1	Struct 2		Const 2	Stuct	EC 2					
former #			285 (3)		385 (3)	381 (3)	382 (3)		4/585 (3)	581 (3)	587 (3)			12	9	21
Context					Site	HF				Research						
former #					LA 335 (3)	470 (3)				572 (3)				6	3	9
Practice Research												PP				
former #												531 (3)		0	3	3
Elective						3	9	9	0	0		3	5	21	8	29
UNM core	12	14	3	6	3	0								38	0	38
Total	18	17	15	15	15	15	18	15	12	15		12	14	128	53	181
Pre-admit		BAA admit							2yr admit			Grad review	M. Exam			

3.5 yr						MArch	
Year 1		**Year 2**		**Year 3**		**Year 4**	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	
Studio							
Intro	Intro 2	Grad #	H/T	Tech	Comm	M	
505l (5)	506l (5)	500 (6)	501 (6)	502 (6)	503 (6)	597 (6)	40
Comm.							
Graphics	Graphic 2						
			0		0		
505 (2)	506 (2)						4
History							
world 1	World 2		Elective	Cont		Elective	
					0		
541 (3)	568 (3)		(3)	522 (3)		(3)	15
Bldg.							
Const	Struc I	Struc II + EC1	Struct + EC 2	Constuct 2			
285 (3)	381 (3)	382 (3)/ 385 (3)	581 (3)/ 587 (3)	4/585 (3)			21
Context							
Arch Anal	HF						
				0	0		
561 (2)	470 (3)						5
Practice							
			–		Proj Prep	PP	
0	0	0			0		
					596 (3)	531 (3)	6
Elective							
0	0	0	0	3	5		8
Dir. Elec		**LA 335**					3
	0	3	0		0		
							102
15	16	15	15	15	14	15	105
Total	Portfolio review		Portfolio review			M. Exam	

Required Courses

		Existing			Proposed			Change			
		Pre-p	U grad.	Grad.*	Pre-	U grad.	Grad.*	Pre-	U grad.	Grad.*	
Studios/Communications	courses	2	8	8	2	10	8	0	2	0	
	credits	6	36	48	6	36	48	0	0	0	0
History	courses	1	2	3+2	1	3	2+2	0	1	-1+0	
	credits	3	6	9+6	3	9	6+6	0	3	-3+0	0
Building	courses	0	4	3+4	0	4	2+4	0	0	-1+0	
	credits	0	12	9+12	0	12	6+12	0	0	-3+0	-3
Context	courses	0	2	2+1	0	4	0+2	0	2	-2 + 1	
	credits	0	6	5+3	0	12	0+6	0	6	-5 + 3	1
Practice/Research	courses	0	0	2 +0	0	2	2+0	0	2	0+0	
	credits	0	0	6+0	0	6	6+0	0	6	0+0	6
											4

* Graduate only courses + shared undergrad. / grad. course

ARCHITECTURE

Program Director
Geraldine Forbes Isais, Professor

Associate Program Director
Mark C. Childs, Associate Professor

Professors
Eleni Bastea, Ph.D., University of California (Berkeley)
Geraldine Forbes Isais, M. Arch., California Polytechnic University (Pomona)
Christopher Mead, Ph.D., University of Pennsylvania
Roger Schluntz, M. Arch., University of California (Berkeley)
Anne P. Taylor, Ph.D., Arizona State University

Associate Professors
Geoffrey Adams, M.Arch., University of New Mexico
Mark C. Childs, M.Arch., University of Oregon
Stephen Dent, M.Arch., Arizona State University
Gabriella Gutierrez, M.Arch., Columbia University
Kuppaswamy Iyengar, M.Arch., University of California (Los Angeles)
Kramer Woodard, M.S., Columbia University

Research Associate Professor
Phillip Gallegos, Arch.D., University of Hawaii

Assistant Professors
Tim Castillo, M. Arch., Columbia University
Dana Gulling, M.Arch., Yale University
Kristina Yu, M.Arch, Harvard University

Lecturer III
Karen King, M.Arch., University of Virginia

Visiting Assistant Professor
Kimberly Wakefield, M.Arch., University of California, Los Angeles

Adjunct Professors
Antoine Predock, B.Arch., Columbia University
V.B. Price, B.A., Anthropology, University of New Mexico
Bart Prince, B.Arch., Arizona State University
Don Tishman, J.D., Ohio State University
Ed Mazria, B.Arch., Pratt Institute

Adjunct Associate Professors
Terry L. Leach, M.Arch., University of New Mexico
Jean Pike, M.Arch, Yale University
Garrett Smith, B.F.A., University of New Mexico
Arnold Valdez, M.Arch, University of New Mexico

Professors Emeriti
Edith Cherry, M.Arch., Rice University
Min Kantrowitz, M.Arch., University of New Mexico
Paul E. Lusk, M.Arch., University of Pennsylvania
Richard S. Nordhaus, M.Arch., University of Pennsylvania
Andy Pressman, M. Des., Harvard University
Don P. Schlegel, M.Arch., Massachusetts Institute of Technology

Lecturer Emeritus
Edward B. Norris, B.Arch., Howard University

The Architecture Program

The mission of the Architecture Program is to critically investigate the architectural systems and social forces that define sustainable built environments both locally and globally, while honoring cultural identities through teaching, research and practice.

The pre-professional and professional program in architecture prepares students for a range of roles as architects engaged in shaping the physical environment who encourage the creation of beautiful, responsive and adaptive architecture.

The program requires courses in architectural and urban design; architectural history, theory and criticism; and technology, community and practice. Electives in architecture and related fields are available in a curriculum that is rigorous and challenging.

Policy on Outside Employment During the Semester

History has proven that students who dedicate themselves fully to academics during their short time at the University not only achieve academic excellence, but excel later in their professional careers. The Faculty of the architecture program, therefore, strongly recommends that each student refrain from outside employment during the semester to optimize their educational experience at this critical developmental stage. Full-time students engaged in external employment are expected to notify the Program Director in writing of these arrangements.

Students enrolled with a full-time academic load (15–17 hours undergraduate; 12–16 hours graduate) are expected to focus their attention on their academic course and related extracurricular activities during the academic term. Students who desire or need to work more than 10 hours per week are expected to take an appropriate and proportional reduction in course load.

Degrees Offered

Undergraduate

Bachelor of Arts in Architecture (B.A.A.)

The B.A.A. is a pre-professional degree that prepares students for admittance to a two-year graduate program in architecture. The overall intent of the B.A.A. degree program is to provide a firm grounding in the essential ideas, principles, theories and technologies that underlie the built environment. The design studio sequence, the core of the program, is where all the elements of the design process come together in exercises that build increasing skill and sophistication in the student designer.

Graduate

The Master of Architecture (M.Arch.)

The University of New Mexico offers two paths of study that lead to the nationally accredited professional degree, Master of Architecture.

The 2-Year Path of Study is composed of two parts: a four-year undergraduate Bachelor of Arts in Architecture degree and a two-year path of study that leads to the professionally accredited Master of Architecture degree. The undergraduate degree contains a balance of liberal arts courses and core courses in architecture, while the graduate degree is oriented to professional preparation through advanced and specialized course work. Students applying to the two-year graduate path must have successfully completed a four-year pre-professional degree program in architecture.

The $3^1/2$-Year Path of Study is designed for students with bachelor degrees from any field. These students may apply to the $3^1/2$-year path of study leading to the accredited Master of Architecture degree. Of necessity, this path does not allow for many electives but concentrates almost exclusively on professional preparation. It is assumed that students in the $3^1/2$-year program of study bring to it a breadth of knowledge based on previous education and experience.

In addition to the above professional degree, the faculty offers a post-professional degree:

Master of Science in Architecture (M.S. Arch.)

This is a post-professional degree and is for students who have already completed an accredited professional degree (B.Arch, M. Arch) and wish to obtain an advanced degree. There are few specific established requirements in this program in that students are encouraged to propose the most professionally and personally useful course of studies with their faculty advisor. Students in this $1^1/2$-year program are expected to take advantage of the special opportunities offered by this program and our unique physical/social setting to pursue individualized educational goals. This degree is not accredited by National Architectural Accreditation Board (NAAB).

Additional Information

Accreditation

In the United States, most state architecture registration boards require an accredited professional degree as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted a 6-year, 3-year, or 2-year term of accreditation, depending on the extent of its conformance with established educational standards.

Master's degree programs may consist of a preprofessional undergraduate degree and a professional graduate degree that, when earned sequentially, constitute an accredited professional education. However, the preprofessional degree is not, by itself, recognized as an accredited degree.

Licensing for Architects in the State of New Mexico and in Most Other States

An applicant for examination for registration as an architect must have a professional degree from an architectural program accredited by NAAB and also a National Council of Architectural Registration Boards (NCARB) certificate showing compliance with Intern Development Program (IDP) training requirements.

Ownership of Student Work

Student work, submitted to the School in satisfaction of course or degree requirements, becomes the physical property of the School. The School also has the right to display such work in any medium or format. This work may include papers, drawings, models, electronic records, and other materials. However, students retain all other rights to the intellectual property of such work. The School assumes no responsibility for safeguarding such materials. At its discretion, the School may retain these materials for instructional, recruitment, exhibition and accreditation purposes, return or discard such materials. The School will not normally discard the materials of currently enrolled students.

Admission Requirements

Undergraduate

Admission to the undergraduate pre-professional portion of the program in architecture is competitive and limited.

There are two paths to undergraduate admission. The standard path requires that upon completion of a minimum set of required college-level credit acceptable to the School, students apply for transfer and acceptance into the School of Architecture and Planning. Applications to the B.A.A. degree program are accepted from University of New Mexico students, as well as students from any other accredited universities approved by the Office of Admissions.

The second path is the "Early Admissions" program available to New Mexico residents who are deemed high achieving entering freshman. Eligibility is limited to students who graduate in the top 10% of their high school classes, score in the top 10% of the ACT or SAT, or receive UNM's Nate Scholars scholarship. For further information contact the Undergraduate Advisor in the School of Architecture and Planning.

In addition to UNM core curriculum courses taken in the first year, UNM student applicants will have successfully completed two studio courses (architectural graphics, and design fundamentals) and a lecture course, *Introduction to Architecture*. In order to be considered for application, UNM students must earn a B or better in Arch 101.

Application requirements:
1. **Letter of intent.** Explain why you are interested in architecture and discuss related experience, background or course work as well as particular educational and professional goals. The letter should not exceed two pages.
2. **Portfolio of Drawing and Design Work.** Submit work from drawing and art studio courses and personal art work in an $8 1/2$" x 11" bound portfolio. Do not send slides, CDs, DVDs, VHS tapes, or other digital materials, as they will not be accepted. Portfolio guidelines are available from the Academic Advisor in the School of Architecture and Planning.
3. **Application Sheet.** This form is available from the Academic Advisor.
4. **Transcripts.** University of New Mexico students should provide unofficial transcripts obtained from the Records and Registration Office in the Student Services Building. Transfer students can provide an unofficial transcript from all colleges previously attended and must send official transcripts to the Office of Admissions, P.O. Box 4895, Albuquerque, NM 87196-4895.
5. **Required Entry Courses.** The following courses, or their equivalents, must be successfully completed prior to application and must be taken for a grade:

ARCH 101, Design Fundamentals	3
ARCH 111, Introduction to Architectural Graphics	3
ARCH 121, Introduction to Architecture	3
MATH 123, Trigonometry	0-3
-or- passing grade on Trigonometry Compass Exam	
MATH 180, Elements of Calculus I	3/4
–or– MATH 162 L, Calculus I	
ENGL 101, Composition I: Exposition	3
ENGL 102, Composition II:	
Analysis and Argument	3
PHYC 102, 102L, Introduction to Physics/Lab	4 (total)
–or– PHYC 151, 151L, General Physics/Lab	

Sub Total of specified courses   **22 – 26**

Other UNM core curriculum courses	**6-9**
Total credits required	**31**

6. **Application Deadline.** All of the above information and forms must be submitted by May 15th by 4 p.m. (should this date fall on a weekend, submit on the next Monday). Any material missing may disqualify your application for consideration. Late applications may be accepted on a space available basis. Address all inquiries and submit all materials, by mail or by person, to: Undergraduate Admissions, c/o Academic Advisor, School of Architecture and Planning, MSC04 2530, 2401 Central Ave NE, Albuquerque, NM 87131-0001.

Graduate

Application materials must be sent to two different locations at the University of New Mexico: the Office of Admissions, and the School of Architecture and Planning.

The following materials must be sent directly to Office of Admissions:
Online:
The online application can be accessed from the OGS Web site at http://www.unm.edu/grad. Note that the application fee must be paid by credit card in order to submit the online application.
Hardcopy:
A copy of the application form can be obtained from the OGS Web site at http://www.unm.edu/grad.

The following materials must be sent directly to the School of Architecture and Planning:
1. **Letter of intent.** Explain why you are interested in architecture. Related experience, background, course work may be mentioned, as well as professional and educational goals. The letter should not exceed two pages.
2. **An official transcript** from each academic institution previously attended
3. **Portfolio of creative work.** The required portfolio format is an $8 1/2$ x 11 inch bound document. The admissions committee will not review slides, CDs, DVDs, VHS tapes or websites. The committee will only review bound portfolios in the stated format received by the published deadline. The portfolio should present work in the visual arts and design, or other creative endeavors completed by the applicant. Academic, office related and personal projects are acceptable. The portfolio itself is an example of the applicant's creative potential. Careful thought should be given to its design. To have your portfolio returned, include a self-addressed, stamped envelope.
4. **Three letters of academic or professional recommendation.** At least two letters should be from faculty members. Forms are available on the OGS Web site.
5. **Resume.** The resume should include education, employment, professional experience, publications, service and other accomplishments.
6. **Course descriptions.** Applicants who do not have a Bachelor of Arts in Architecture from UNM must submit course descriptions of all architecture classes completed.
7. **Email**. Brief email to architecture@unm.edu informing program of application submission.

Graduate Record Examination (GRE) Scores are not required, but may be submitted with other materials.

Applicants must identify whether they are applying for the 2 year or $3 1/2$ year program of study.

Send the above materials to:
School of Architecture and Planning
2401 Central Avenue NE
MSC04 2530, ATTN: Graduate Advisor
1 University of New Mexico
Albuquerque, New Mexico 87131-0001

For express mailings include the Advisor's telephone number:
505-277-1303.

Graduate Program Application Deadlines
Fall semester: The deadline is February 1, however late applications may be accepted on a space available basis until June 15.

Spring semester: Contact the Program Director

A deposit of $200.00 is required of applicants who accept the School's offer of admission to the Master of Architecture degree program. The deposit will be applied toward tuition. The deposit is non-refundable for those applicants who accept the School's offer of admission, but subsequently do not enroll in the program.

Faculty Advisors
Stephen Dent–Architecture, 2 year program of study
Geoffrey Adams–Architecture, $3 1/2$ year program of study

Early Admission to 2 yr. Graduate Program from B.A.A.

Following successful completion of their third year, students enrolled in the UNM B.A.A. may apply by June 15 for early conditional admission to the graduate level of the professional degree program. If accepted under early admission, they must successfully complete the B.A.A. requirements in a timely manner. Accepted students will take ARCH 502 instead of ARCH 402, ARCH 534 instead of ARCH 432, and ARCH 544 instead of ARCH 442. These courses will count only toward completion of the B.A.A.

Undergraduate Degree: Graduation Requirements

Bachelor of Arts in Architecture (B.A.A.)

Students may be admitted to the undergraduate degree in their sophomore year after completing at least 26 credit hours of selected courses. In addition to UNM core course work in the first year, applicants will have taken two studio courses– one in graphics, one in design, and a lecture course, *Introduction to Architecture*.

Portfolio Reviews:
Students may be required to submit portfolios for review by a faculty committee at the end of the 200 or 300 level sequence and/or immediately prior to graduation.

Minimum Grade Point Average
A minimum cumulative grade point average of 2.50 is required for graduation.

Advising: Advising for undergraduate students is available from the Undergraduate Advisor. Individual faculty members are also available for counseling on matters relating to professional education, architectural internship, and the architectural registration examination process.

Design Studio Academic Standard: Students must earn a minimum grade of C+ in a studio in order to continue in the design studio sequence.

Required Courses and Electives–Typical Sequence

First Year

			Credits
ARCH 111	Intro to Arch. Graphics	Fa	3
ARCH 121	Intro to Architecture	Fa	3
ARCH 101	Design Fundamentals	Sp	3
MATH 123	Trigonometry		0-3
-or- Passing Trigonometry Compass Exam			
MATH 180*	Elements of Calculus I		3/4
–or– MATH 162	Calculus I		
ENGL 101*	Composition I: Exposition		3
ENGL 102*	Composition II: Analysis and Argument		3
PHYC 102*/102L*	Introduction to Physics/Physics Lab		4
–or– PHYC 151/151L	General Physics/Lab		

Required Entry Credits	21 -25
Other UNM Core Curriculum Credits	6 - 9

Minimum Total Credits	**30-31**

* Must earn "C" or better to graduate.

Second Year

			Credits
ARCH 201	Architectural Design I	Fa	4
ARCH 211	Architectural Comm. I	Fa	2
ARCH 241	Sustainability I	Fa	3
ARCH 202	Architectural Design II	Sp	4
ARCH 211	Architectural Comm. I	Sp	2
ARCH 221	Modern and Contemporary Arch	Sp	3
Required Architecture credits:			18
UNM Core Curriculum credits:			12

Total Credits	**30**

Third Year

			Credits
ARCH 301	Architectural Design III	Fa	4
ARCH 311	Architectural Comm II	Fa	2
ARCH 321	World Architecture I	Fa	3
ARCH 331	Construction I	Fa	3
ARCH 302	Architectural Design IV	Sp	4

ARCH 311	Architectural Comm II	Sp	2
ARCH 322	World Architecture II	Sp	3
ARCH 332	Structures I	Sp	3
ARCH 342	Human Factors and Programming	Sp	3
Required Architecture credits:			27
UNM Core Curriculum credits:			3

Total Credits   **30**

Fourth Year			Credits
ARCH 401	Architectural Design V	Fa	6
ARCH 431	Structures II	Fa	3
ARCH 441	Sustainability II	Fa	3
ARCH 451	Research & Design	Fa	3
ARCH 402	Architectural Design VI	Sp	6
ARCH 432	Building Systems	Sp	3
ARCH 442	Policy/Culture/Arch	Sp	3
ARCH 452	Practice and Theory	Sp	3

Total Credits   **30**

           GRAND TOTAL   **121**

University of New Mexico Core Curriculum Requirements

These are in addition to specific entry and other requirements. Several areas are more restrictive than University of New Mexico Core.

Must earn a "C" or better in University of New Mexico Core Curriculum requirements.

Writing and Speaking:
One course from either ENGL 219, 220, CJ 130, PHIL 156.   3 credits

Physical and Natural Science:
(More restrictive than University of New Mexico Core Curriculum.)

One course from ANTH 121L, 150, 160, ASTR 101, BIOL 110, 123, CHEM 111L, 121 and 123L, 122 and 124L, 131L, 132L, EPS 101, 201L, ENVS 101, GEOG 101 and GEOG 105L.   3- 4 credits

Social and Behavioral Sciences:
(More restrictive than The University of New Mexico Core Curriculum.)

Either ECON 105, or 106, and either PSY 105 or SOC 101.   6 credits

Humanities:
Two courses from AMST 186; CLST 107, 204, 205; COMP 222, 224; ENGL 150, 292, 293; HIST 101L, 102L, 161L, 162L; MLNG 101, PHIL 101, 201, 202; RELG 107, 263, 264.   6 credits

Foreign Languages:
One lower-division non-English course.   3 credits

Total   **21 credits**

NOTES:

Electives
At least 3 credits of electives must be School of Architecture and Planning courses OTHER than architecture.

Service Learning

Students must complete 3 credits in a service learning course, approved by the faculty, in which students work directly with a not-for-profit, community group, or public agency on architectural research, design, and/or application of design skills﹒ This may be fulfilled by ARCH 402: Community studio section, or other course, including independent study, APPROVED BY THE DIRECTOR OR ASSOCIATE DIRECTOR PRIOR TO ENROLLING.

Credit Hour Summary for Bachelor of Arts in Architecture
Entry courses (1st year)	30-31
Additional University of New Mexico Core Courses	15
Additional required Architecture courses	85

Total B.A. Architecture   **130-131**

  (A minimum cumulative grade point average of 2.50 is required for graduation.)

Master of Architecture Professional Programs

The following graduate and undergraduate courses are required for completion of the accredited, professional M.Arch. degree (2 year and 3^1/2 year paths).

Graduation Requirements

2 year Path

Entry Requirements
Completion of a Bachelor of Architecture, Bachelor of Science in Architecture, or Bachelor of Arts in Architecture from a school with an NAAB accredited degree program, or equivalent collegiate program as approved by the faculty.

Required Courses:

First Year

ARCH 601	Masters Arch. Design I	Fa	6
ARCH 631	Systems Integration I	Fa	3
	2 Electives	Fa	6
ARCH 602	Masters Arch. Design II	Sp	6
-or- ARCH 603	Masters Arch. Design III	Su	6
ARCH 522	Contemporary Architecture	Sp	3
ARCH 632	Systems Integration II	Sp	3
ARCH 551	Research Methodology	Sp	3

Total Credits   30

Graduate Review

Second Year

ARCH 604*	Masters Arch. Design IV	Fa	6
& ARCH 605	Masters Arch Design V	Sp	6
- or -			
ARCH 596*	Project/Thesis Preparation	Fa	6
& ARCH 597	Master's Project	Sp	6
- or -			
ARCH 596*	Project/Thesis Prep	Fa	6
& ARCH 599	Master's Thesis	Sp	6
ARCH 651	Professional Practice II	Fa	3
:	Architectural Electives		9

Total Credits   24

Grand Total   54

*Project and Thesis options require approval from the Director of the Program after consultation with the faculty.

Exit Requirements:

In addition to the required courses above, students must have taken the following courses before graduation. These courses may have been taken as an undergraduate or deficits may be made up while a graduate student, though these courses will not count toward the graduate degree:

Studio: Six semesters of 6 credit hour design studios, equivalent to ARCH 201/211, 202/211, 301/311, 302/311, 401, 402.

Architectural History: Equivalent of ARCH 221 World I, ARCH 321 World II, and ARCH 322 Modern & Contemporary Architecture

Building Systems: Equivalent of ARCH 331 Construction I, ARCH 332 Structures II, ARCH 431 Structures II, ARCH 432 Building Systems

Context: Equivalent of ARCH 241 Sustainability I, ARCH 342 Sustainability II, ARCH 442 Politics, Culture and Architecture

Practice/Research: Equivalent of ARCH 451 Human Factors and Programming, ARCH 451 Research and Design, and ARCH 452 Practice and Theory.

Non-architecture courses and free electives: Equivalent of 45 credits.

Upon acceptance into the program, the program will determine which, if any, of the above requirements have been met in a student's undergraduate curriculum.

3.5 year Path

Entry Requirements
One semester of calculus, one semester of physics, and one semester of foreign language is required. At least one semester of an architecture history survey course is highly recommended. Calculus and physics requirements must be completed before beginning the program. A deficit in foreign language coursework may be made up while a graduate student, though this course will not count toward the graduate degree.

Required courses
First Year

ARCH 503	Graduate Architectural Design I	Fa	5
ARCH 515	Gradute Architectural Comm. I	Fa	2
ARCH 521	Architectural Analysis	Fa	3
ARCH 531	Construction	Fa	3
ARCH 542	Human Factors and Programming	Fa	3
ARCH 504	Graduate Architectural Design II	Sp	5
ARCH 516	Grad. Architectural Comm. II	Sp	2
ARCH 522	Contemporary Architecture	Sp	3
ARCH 532	Structures I	Sp	3
ARCH 541	Sustainability II	Sp	3
		Total	**32**

Graduate Review 1

Second Year

ARCH 505	Graduate Architectural Design III	Fa	5
ARCH 517	Grad. Architectural Comm. III	Fa	2
ARCH 523	World Architecture I	Fa	3
ARCH 533	Structures II	Fa	3
LA 556	Site/Environment	Fa	3
ARCH 602	Masters Architectural Design II	Sp	6
ARCH 524	World Architecture II	Sp	3
ARCH 534	Building Systems	Sp	3
ARCH 551	Research Methodology	Sp	3
		Total	**31**

Summer

ARCH 603	Masters Architectural Design III	Su	6
	Architectural Seminar	Su	3
		Total	**9**

Graduate Review 2

Third Year

ARCH 604*	Masters Architectural Design IV	Fa	6
& ARCH 605	Masters Architectural Design V	Sp	6
- or -			
ARCH 596*	Project/Thesis Preparation	Fa	6
& ARCH 597	Master's Project	Sp	6
- or -			

ARCH 596*	Project/Thesis Prep	Fa	6	
& ARCH 599	Master's Thesis	Sp	6	
ARCH 631	Systems Integration I	Fa	3	
ARCH 632	Systems Integration II	Sp	3	
ARCH 651	Professional Practice II	Fa	3	
:	Architectural Electives		9	
		Total	**30**	

GRAND TOTAL   **102**

Master of Science in Architecture:
Post Professional Program

The following graduate courses are exit requirements for the post professional M.S.Arch. degree ($1^1/2$ year program).

Two semesters of graduate studios/seminars (601, 602, or 603)	12
ARCH 596 Project/Thesis Prep Seminar	3
ARCH 597 Masters Project	6
–or– ARCH 599 Master's Thesis	
Approved graduate electives	16

A minimum of 38 graduate credit hours is required for graduation.

Additional Information: Professional Programs

Curriculum Design and Advisement

The faculty advisor will assist the student in planning a program of studies, which will be recorded in the student's file. Each student is responsible for the adequacy of his or her own curriculum and is free to alter it in process with the consent of their faculty advisor. The Program of Study must be confirmed by the graduate advisor. Successful completion of a Program of Studies is the basis for attaining a degree.

Master's Examination

The Master's examination is divided into two parts. The first part is the Graduate Review. The second part of the Master's Examination occurs with approval by faculty of the Master's Project, or Master's Studio, or Master's Thesis. Graduate Review Guidelines available in the Architecture Office.

Architecture (ARCH)

101. Design Fundamentals (3)
Studio/lecture introduces fundamental principles and processes of two-, three-, and four-dimensional design. Methods of perception, technique, composition, evaluation of materials and methods, critical evaluation and graphic representation are studied through both abstract and representational assignments.

111. Introduction to Architectural Graphics (3)
Laboratory, lectures, and exercises to learn graphic representation methods. Emphasis is on the use of drawing to record and communicate architectural topics.

121. Introduction to Architecture (3)
Lectures and exercises introduce architecture, design, and the creative process through an analysis of their social, historical, and technical determinants. Emphasis on 20th and 21st century architecture with an introduction to the profession and sustainability.

201. Architectural Design I (4)
Studio analyzing landscape, site, fundamental design skills, and ordering systems. The relationship between the building program and the context is studied through a series of small building projects.
Corequisite: 211. Restriction: enrolled in B.A.A.

202. Architectural Design II (4)
Studio introduces principles of urban design and planning through an exploration of a series of multi-scaled architectural projects that examine public goals, built context, urban infrastructure and fabric, sustainability, historical and socio-cultural issues.
Corequisite: 211. Restriction: enrolled in B.A.A.

211. Architectural Communications I (2)
This two term lecture/lab introduces architectural representation emphasizing digital visualization, representation and modeling to represent building systems, capture spatial concepts, and analyze the contexts of buildings. This course introduces use of the fabrication lab. Restriction: enrolled in B.A.A.

221. Modern & Contemporary Architecture. (3)
(Also offered as ARTH 463.) Survey of modern architecture since the late 19th century, primarily in Europe and the Americas.

241. Design and Sustainability I (3)
Lectures present the framework for creative analysis, including systems thinking and synergistic integration of the three pillars of sustainability – environments, equity, and economy – and their relationship to building systems.

301. Architectural Design III (4)
Studio investigates issues of private space and ownership emphasizing spatial, programmatic, typological and tectonic architectural issues. Small to medium scale projects range from domestic spaces to commercial environments with a focus on hybrid architectural conditions.
Corequisite: 311
Prerequisites: 201 & 202 & 211 & 221 & 231 & 241 with minimum grades of C+. Restriction: enrolled in B.A.A.

302. Architectural Design IV (4)
Studio investigates public space. Projects range from public open space, to public housing, to public institutions. The studio emphasizes mid-size buildings in urban contexts and human factors, universal design, politicized programs, programming and space.
Corequisite: 311
Prerequisites: 201& 202 & 211 & 221 & 231 & 241 with minimum grades of C+. Restriction: enrolled in B.A.A.

311. Architectural Communication II (2)
In this two-term lecture/lab course students use narrative, written, and oral communication in the expression of architectural theories, processes, and positions. Readings and precedent studies help shape discussions about architectural theses.

321. /523. World Architecture 1: History of the Built Environment From Prehistory to 1400 CE. (3)
(Also offered as ARTH 261.) Lecture survey of the architectural and urban traditions of ancient and indigenous cultures from prehistory to the late middle ages.
Restriction: enrolled in B.A.A.

322./524. World Architecture 2: History of the Built Environment From 1400 CE to the Present. (3)
(Also offered as ARTH 262.) Survey of the architectural and urban traditions of the modern world from the renaissance to the present.
Undergrad Prerequisite: 321. Graduate Perquisite: 523.

*329. Pre-Columbian Architecture. (3)
(Also offered as ARTH 343.) Survey of North, South and Mesoamerican pre-Columbian architecture, with emphasis on cultural background of ancient civilizations.

331. Construction I (3)
Lab and lectures–introduction of technological aspects of building design and construction.
Restriction: enrolled in B.A.A.

332./532. Structures I (3)
Lectures present principles of mechanics, equilibrium conditions, properties of structural materials, structural properties of areas, shear and moment, flexural stresses, shearing stresses, deflection, trusses and funicular structures.
Undergrad Prerequisite: 202 and 211 and (MATH 180 or 162). Restriction: enrolled in B.A.A. or B.S. in Construction Management degree program. Graduate Restriction: Enrolled in M.Arch.

342. /542. Human Factors and Programming (3)
Lectures explore the complex needs and desires users and clients, the theory and techniques used to investigate these needs, and methods of applying research findings to the design of programs, buildings, and sites. Restriction: enrolled in B.A.A. or M. Arch.

401. Architectural Design V (6)
Studio investigates urban theories and strategies focusing on civic buildings, urban design, landscape and infrastructural responses, public policy, sustainability and architectural form. Projects are multiple buildings and urban forms in complex urban settings.
Prerequisite: 301& 302 & 311 & 321 & 322 & 331& 332 & 341 & 342 with minimum grades of C+ . Restriction: enrolled in B.A.A.
Co-requisite: Arch 451

402/502. Architectural Design VI (6)
Studio explores and tests issues of collaborative design and other contemporary architectural topics. Topics will vary. At least one section may engage community clients and be offered in conjunction with Landscape and CRP studios.
Prerequisite: 301 & 302 & 311 & 321 & 322 & 331 & 332 & 341 & 342 with minimum grades of C+ . Restriction: enrolled in B.A.A. Graduate Restriction: Permission of Director.

409./509. Vertical Architecture Studio (6)
Studio topics will vary. Typically offered only during the summer. This studio may replace the grade or substitute for any other studio.
Restrictions: Permission of Director.

428./528. Memory and Architecture. (3)
Lecture/seminar on the role of architecture in aiding memory at the personal, social and national scales, and its ability to communicate a coherent and understandable message regarding culture and memory.
Restriction: enrolled in B.A.A.

429./529. Frank Lloyd Wright and American Architecture. (3)
(Also offered as ARTH 423.) Seminar examines the origins, principles, practitioners and consequences of an American tradition of architecture that Frank Lloyd Wright called organic.
Restriction: permission of instructor.

431./533. Structures II (3)
Lectures present structural form and behavior, deflected shapes, approximate and simplified methods of analysis, graphic analysis, trusses cables and arches, simple beams, columns, continuous structures, three-dimensional structures, structural design issues.
Undergraduate Prerequisite: 332. Restriction: enrolled in B.A.A. or B.S. in Construction Management degree program. Graduate Prerequisite: 532.

432./534. Building Systems. (3)
Lecture course focuses on human comfort and safety systems including vertical transportation, fire suppression, thermal conditioning, air movement and quality, plumbing and electrical systems, and acoustics.
Pre-requisite: Arch 431 or 533.

441./541. Design and Sustainability II (3)
Lectures explore the foundations of sustainability to building and landscape design including concepts of passive solar design, daylighting, water conservation, and green building materials and construction methods. Course introduces environmental rating systems such as LEED.

Undergraduate Prerequisite: Arch 241.
Graduate Restriction: Enrolled in M. Arch.

442./544. Politics, Culture and Architecture (3)
Lecture course explores the historical and contemporary relationships between political, cultural and economic theories that affect and are affected by built environments.
Undergraduate Restriction: Enrolled in B.A.A.
Graduate Restriction: Permission of Director.

451. Research and Design (3)
Lecture course introduces research methods that support the design process. The course will culminate in a research paper or research position paper for a design project.

452. Practice and Theory (3)
Lecture course examines, in depth, the history and theories that have shaped contemporary architectural practice. Additionally this course will examine discourse currently animating architectural practice including ethics, types of practices, and the role of professions.
Undergrad Co-requisite: Arch 402
Graduate Co-requisite: Arch 502

449. Synthesis of Sustainability Perspectives and Innovations. (3)
(Also offered as AMST, ANTH, SUST 434.) Presents frameworks for complex and creative analysis, including systems thinking and synergistic integration of the three pillars of sustainability: environment, equity, economy. Examines innovative local and international case studies in environment, business, policy, and community development.
Prerequisite: SUST 334 and (ECON 106 or ECON 203.)

461./561. Problems. (1-6 to a maximum of 12)
Students wishing to undertake a special study project must have instructor approval.
Restriction: permission of advisor.

462./562. Seminar. (1-3, no limit)
Individually listed topics vary each semester.
Restriction: permission of instructor.

463./563. Architecture and Design for Children. (3)
A service learning course designed for architecture students and others teaching design education and architecture to teachers, children and others in the community.
Restriction: enrolled in B.A.A. or M. Arch.

464./564. Lighting. (3)
Seminar/lab explores principles of architectural lighting. Includes: daylighting, electric lighting and lighting design.
Undergraduate Prerequisite: 431. Graduate Prerequisite: 534. Restriction: enrolled in B.A.A. or M. Arch.

465./565. Acoustics. (2)
Seminar/lab explores concepts, theory and methodology for analysis and design of acoustical environments.
Restriction: enrolled in B.A.A. or M. Arch.

466./566. Construction Documents. (3)
Lecture/lab course develops an understanding of the production of specifications and other written construction documents.
Undergraduate Prerequisite: 231. Graduate Prerequisite: 531.

471./571. Real Estate Development. (3)
Lecture course introduces students to the process of real estate through lectures, case studies and hands-on exercises.

472./572. Civic Places. (3)
(Also offered as CRP, LA 566.) Seminar investigating the design, planning, and management of public spaces.
Restriction: permission of instructor.

475./575. Reflective Travel. (1-2 to a maximum of 4)
Guided independent study preparing students to engage in and reflect upon travel relevant to their design and planning studies. To be taken BEFORE and/or after travel. **Offered on a CR/NC basis only.**
Restriction: permission of instructor.

481./581. Southwest Architecture and Cultural Landscapes. (3)
Introduction to the Native, Hispanic, and Anglo American architectural and cultural landscape traditions, and to the social, technological and intellectual forces reshaping them since 1880, especially the railroad and automobile; modernism, regionalism, and globalization. Prerequisite: 322.

503. Graduate Architectural Design I (5)
Studio introducing architectural design. Investigation of landscape, site and social contexts, private space, programmatic and tectonic issues. **Offered on CR/NC basis.**
Corequisite: 515 and 521. Restriction: enrolled in M.Arch.

504. Graduate Architectural Design II (5)
Studio investigating urban design and public space. Projects emphasize mid-size buildings in urban context and conceptions of human factors, historical and socio-cultural issues, politicized programs and space, and ecologically sound design.
Corequisite: 516. Restriction: enrolled in M.Arch.

505. Graduate Architectural Design III (5)
Studio investigating urban theories and strategies focusing on civic buildings, urban design, landscape and infrastructural responses, public policy, tectonics and making. Complex urban projects and building systems form the basis of this studio.
Corequisite: 517. Prerequisite: 503 & 504 & 531 & 532. Restriction: enrolled in M.Arch.

515. Graduate Architectural Communications I (2)
Seminar/lab introduces issues of architectural representation with an emphasis on digital visualization, representation and modeling as it relates to design process and presentation.
Restriction: enrolled in M. Arch.

516. Graduate Architectural Communications II (2)
Seminar/lab explores three-dimensional modeling employing various media. Emphasis is on furthering design concepts, representing building systems, capturing spatial concepts, and analyzing contexts. This course includes an introduction to the fabrication lab. Restriction: enrolled in M.Arch.
Restriction: enrolled in M.Arch.

517. Graduate Architectural Communications III (2)
Seminar course develops students use narrative, written, and oral communication in the expression of architectural theories, processes, and positions. Readings and precedent studies help shape discussions about architectural theses.
Restriction: enrolled in M.Arch.

521. Architectural Analysis. (2)
Seminar introduces the range of categories and contexts specific to the production and representation of architecture. Open only to students in the $3^1/2$ year program.
Restriction: enrolled in M.Arch.

523. /321. World Architecture I: History of the Built Environment From Prehistory to 1400 CE. (3)
Survey of the architectural and urban traditions of ancient and indigenous cultures from prehistory to the late middle ages.
Graduate Restriction: enrolled in M. Arch.

524./322. World Architecture II: History of the Built Environment From 1400 CE to the Present. (3)
Survey of the architectural and urban traditions of the modern world from the renaissance to the present.
Graduate Prerequisite: 523. Graduate Restriction: enrolled in M. Arch.

522. Contemporary Architecture and Urban Design.
Survey of recent critical work in architecture and urban design.
Restriction: enrolled in M. Arch.

531. Graduate Construction I (3)
Lab and lectures–introduction of technological aspects of building design and construction.
Restriction: enrolled in M. Arch.

532./ 332. Structures I (3)
Lectures introduce principles of mechanics, equilibrium conditions, properties of structural materials, structural properties of areas, shear and moment, flexural stresses, shearing stresses, deflection, trusses and funicular structures.
Graduate Prerequisite: Arch 531. Graduate Restriction: enrolled M.Arch.

533./ 431. Structures II. (3)
Lectures introduce structural form and behavior, deflected shapes, approximate and simplified methods of analysis, graphic analysis, trusses, cables and arches, simple beams, columns, continuous structures, three-dimensional structures, structural design issues.
Graduate Prerequisite: Arch 532. Graduate Restriction: enrolled in M.Arch.

534./432. Building Systems. (3)
Lecture course focuses on human comfort and safety systems including vertical transportation, fire suppression, thermal conditioning, air movement and quality, plumbing and electrical systems, and acoustics.
Graduate Pre-requisite: Arch 533.

541./441. Sustainability II (3)
Lectures explore the application of the theoretical foundations of sustainability to building and landscape design including concepts of passive solar design, daylighting, water conservation, and green building materials and construction methods. Course introduces environmental rating systems such as LEED
Graduate Restriction: enrolled in M. Arch.

542. /342. Human Factors and Programming (3)
Lectures explores the complex needs and desires of a broad spectrum of users and clients, the theory and techniques used to investigate these needs, and methods of applying research findings to the design of programs, buildings, and sites.
Graduate Restriction: enrolled in M. Arch.

544./442. Politics, Culture and Architecture (3)
Lecture/seminar explores the historical and contemporary relationships between political, cultural and economic theories that affect and are affected by built environments.
Graduate Restriction: enrolled in M. Arch or permission of Director.

551. Research Methodology (3)
Lecture/seminar focuses on the development and conceptualization of research questions and techniques to translate those questions into a primary or secondary research strategy. Emphasis is given to the relationship between research questions and design strategies.
Pre-requisite: Arch 503 or Arch 601. Restriction: enrolled in M. Arch.

561./461. Problems. (1-6 to a maximum of 12)
Students wishing to undertake a special study project must have instructor approval.
Restriction: permission of instructor.

562./462. Seminar. (1-3, no limit)
Individually listed topics vary each semester.
Restriction: permission of instructor.

563./463. Architecture and Design for Children. (3)
A service learning course designed for architecture students and others teaching design education and architecture to teachers, children and others in the community.

Restriction: enrolled in M. Arch.

564./464. Lighting. (3)
Seminar/lab explores principles of architectural lighting. Includes: daylighting, electric lighting and lighting design.
Restriction: enrolled in M. Arch.

565./465. Acoustics. (2)
Seminar/lab explores concepts, theory and methodology for analysis and design of acoustical environments.
Restriction: enrolled in M. Arch.

566./466. Construction Documents. (3)
Lecture/lab develops an understanding of the production of specifications and other written construction documents.
Prerequisite: Arch 531.

567. Seminar in Spanish Colonial Art. (3, no limit)
Prerequisite: ARTH 450.

572./472. Real Estate Development. (3)
Lecture course introduces students to the process of real estate through lectures, case studies and hands-on exercises.
Restriction: permission of instructor.

573./473. Civic Places. (3)
(Also offered as CRP, LA 566.) Seminar investigating the design, planning, and management of public spaces.
Restrictions: enrolled in M. Arch, MLA, or MCRP.

574. Public Works. (3)
(Also offered as CRP 534, LA 567.) Seminar investigating the social, urban, environmental and aesthetic issues of infrastructure and public works.
Restriction: enrolled in M. Arch., MLA or MCRP degree program.

575./475. Reflective Travel. (1-2 to a maximum of 3) Δ
Guided independent study preparing students to engage in and reflect upon travel relevant to their design and planning studies. To be taken BEFORE and after travel. **Offered on a CR/NC basis only.**
Restriction: permission of instructor.

581./481. Southwest Architecture and Cultural Landscapes. (3)
Introduction to the Native, Hispanic, and Anglo American architectural and cultural landscape traditions, and to the social, technological and intellectual forces reshaping them since 1880, especially the railroad and automobile; modernism, regionalism, and globalization. Prerequisite: 524.

582. Introduction to Preservation and Regionalism. (3)
(Also offered as CRP, LA 579.) An introduction to the history, theory and professional practices of historic preservation and regional contemporary design and planning.

583. Historic Research Methods. (3)
(Also offered as CRP, LA 590.) An introduction to the methods for the documentation, research and analysis of historic built environments as preparation for historic preservation and contemporary regional design.

596. Project/Thesis Preparation. (3-6, no limit)
Foundational independent study where thesis or final project dimensions are explored, program or project principles established and search for available and manageable information completed. Feasibility of proceeding with the project is decided with faculty advisor(s). **Offered on a CR/NC basis only.**
Restriction: permission of Director.

597. Master's Project. (6, no limit)
Development of an advanced architectural project based on research and program developed in ARCH 652. Once initiated, continuous enrollment is required (excluding summer) until project is approved by faculty committee. **Offered on a CR/NC basis only.**
Prerequisite: 652, and 602 or 603. Restriction: permission of Director.

599. Master's Thesis. (6, no limit)
Development of a research project reflective of advanced inquiry into an architectural topic. Plan I only.
Offered on a CR/NC basis only.
Prerequisite: 652 and 602 or 603. Restriction: permission of Director.

601. Masters Architectural Design I (6)
Studio investigating building tectonics, structure, technical documentation, sustainability and construction.
Building projects will be of medium size and may include adaptive reuse of existing structures and sites.
Restriction: enrolled in M.Arch.

602. Masters Architectural Design II (6)
Studio topics will vary. Projects will investigate collaboration in design. At least one section will engage
community clients and, depending on their availability, will be offered in conjunction with Landscape and CRP
courses.
Restriction: enrolled in M.Arch.

603. Masters Architectural Design III (6)
Studio investigation of architectural process, practice and design in a contemporary global context. Projects
range from large-scale, multi-national headquarters to small-scale projects engaging socio-political
interventions.
Restriction: enrolled in M.Arch.

604. Masters Architectural Design IV (6)
Studio investigation of an evidence-based line of architectural inquiry. The project will include application of
research.
Pre-requisite: 602 or 603. Restriction: enrolled in M. Arch.

605. Masters Architectural Design V (6)
Studio developing a comprehensive project. The project must be clearly resolved, highly articulated, integrate
building systems and other prior coursework, demonstrate excellent critical thinking, skill, and craft; and well
presented.
Pre-requisite: 604. Restriction: enrolled in M. Arch.

631. Systems Integration I (3)
Lecture course presents a comprehensive and integrative process to examine the interrelationship of the
properties of materials, building structures, environmental systems, and construction technology, as they
influence design decision making.
Pre-requisite: Arch 534.

632. Systems Integration II (3)
Lecture course examines aesthetic stances and approaches to the integration of building systems including
surfaces and details.
Pre-requisite: Arch 631.

651. Professional Practice II (3)
Seminar explores issues involved in the founding and operation of an architectural practice. Additionally, the
course reviews building codes, professional ethics, licensing, contracts and liability, and insurance.
Pre-requisite: Arch 602

May-09 — B.A.A. — M.Arch.

	First Year		Second Year		ThirdYear		Fourth Year		Fifth Year			Sixth Year				
	Introduction		Natural Context		Built Context		Realms		X-boundaries		Alt	Focus				
			Land	Urb	Private	Public	Civic	Topics	Techton	Topics	Global	Comp	Masters			
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Summer	Fall	Spring	BAA	2yr	6
Studio		Des Fund 101 (3)	studio I 201 (4)	studio II 202 (4)	studio III 301 (4)	studio IV 302 (4)	studio V 401 (6)	studio VI 402/502 (6)	m studio I 601 (6)	m studio II 602 (6)	m studio III 603 (6)	m stdo IV 604 (6)	m stdo V 605 (6)	31	24	55
former #		NEW	201 (4)	202 (4)	301 (6)	302 (6)	402 (6)	404 (6)	501 (6)	502 (6)	503 (6)	598 (6)	NEW			
Comm.	Graphics 111 (3)	0 0	Comm I 211 (2)	Comm I 211 (2)	Comm II 311 (2)	Comm II 311 (2)	0	0	0	0			0	11	0	11
former #	104 (3)		204 (2)	"-"	205 (2)											
History	Intro 121 (3)	0		m 221 (3)	World I 321/523	World II 322/524 (3)	0	0		Modern 522 (3)			0	0	12	3	15
former #	101 (3)				261/541 (3)	262/568(3)				463/563						
Bldg.	0	0	0		Const 331 (3)	Struc I 332/532 (3)	Struc II 431/533 (3)	Bldg Sys 432/534 (3)	Sys Int I 631 (3)	Sys Int II 632 (3)		0	0	12	6	18
former #					285 (3)	381 (3)	382 (3)	4/581 (3)	4/585 (3)	4/587 (3)						
Context	0	0	Intro Sust 241 (3)			HF+Prog 3/542 (3)	Sus&Blt Env 4/541 (3)	Pol+Cul+Arc 442/544 (3)		0		0	0	12	0	12
former #			NEW			470 (3)	NEW	NEW								
Practice Research			0	0		0	Res + Des 451 (3)	Pract&theory 452/552 (3)		Research 551 (3)		Prof Prac 651 (3)		6	6	12
former #							New	New		572 (3)		531 (3)				
Elective					0	0	0		6	0		3	6	0	15	15
UNM core	M & E 9	M, P, E 13	6	6	3	0								37	0	37
Total	15	16	15	15	15	15	15	15	15	15		12	12	121	54	175
Pre-admit		BAA admit				Pre admit 2yr grad		2yr admit Portfolio		Portfolio review			M. Exam			

409/509 Summer make-up studio

"= Form B"

	Year 1			Year 2		Summer	Year 3		
3.5 yr	Intro				X-boundaries		Focus		**MArch**
	Site/Private	City/Public		Civ/Tech	Topics	Global	Comp	Masters	
	Fall	Spring		Fall	Spring	Summer	Fall	Spring	
Studio	G studio I 503 (5)	G studio II 504 (5)		G stdo III 505 (5)	M stdo II 602 (6)	M stdo III 603 (6)	M stdo IV 604 (6)	M stdo V 605 (6)	39
	505I (5)	506I (5)		500 (6)	502 (6)	503 (6)	598 (6)	NEW	
Comm.	G Comm I 515 (2)	G Comm II 516 (2)		G Comm III 517 (2)	0		0	0	6
	505 (2)	506 (2)		NEW					
History	Grad Sem 521 (3)	Modern 522 (3)		World I 331/523 (3)	World II 322/524 (3)			0	12
	561 (2)	463/563		262/541	262/568(3)				
Bldg.	Const 531 (3)	Struc I 3/532 (3)		Struc II 4/533 (3)	Bldg Sys 431/534 (3)	0	Sys Int I 631 (3)	Sys Int II 632 (3)	18
	NEW	381 (3)		382 (3)	4/581 (3)		4/585 (3)	4/587 (3)	
Context	Sus+Blt Env 4/541 (3)	HF+Prog 3/542 (3)				0	0	0	6
	NEW	573 (3)							
Practice	0	0		0	Research 551 (3)	0	Prof P II 651 (3)	0	6
					596 (2-3)		531 (3)		
Elective	0	0		0	0	0	3	6	9
Dir. Elec				LA 556		Seminar			6
		0		3	0	3		0	
									102
Total	16	16		16	15	9	15	15	102
		Portfolio review			Portfolio review			M. Exam	

Reasons for Request

As a result of a set of faculty retreats examining (1) changing aspects of professional practice, (2) critical issues in the built environment, (3) current and upcoming changes to the professional accreditation process, and (4) assessment of our teaching practices, we have developed a significant revision to the curriculum for the Bachelors of Arts in Architecture, the two paths in the Master of Architecture, and the post-professional Masters of Science in Architecture (a nomenclature change mandated by our accrediting body, NAAB).

We believe this revised curriculum will aid in student learning, credit hour generation, and time to graduation.

Please note:

1. We are submitting changes to both the B.A.A. and the M. Arch.
2. We have eliminated existing joint 200/500 level courses. However, we have some 300/500 and 400/500 level courses because our 3.5 year master's path must have substantially the same material as the "4 + 2" path (B.A.A. + M. Arch).
3. We are proposing an "early admit" process at the end of the junior year. Students admitted at this time would be required to complete the B.A.A. in a timely and acceptable manner.
4. We are establishing a new numbering system. This requires that we reuse some numbers that are currently being used.
5. All existing courses cross-listed with departments OUTSIDE of the School of Architecture and Planning have been left essentially as-is. We have altered their course numbers to conform to our new system, and in a few cases altered text to identify the type of course (e.g. seminar, lecture).
6. Courses which are components of the Town Design and Historic Preservation Certificates have been left essentially as is. The architecture course numbers have been changed to provide a unique set of numbers to each certificate (X7X for Town Design and X8X for Historic Preservation).
7. Attached is a chart of the courses by year. This chart shows the numbering system (X0X = studio, X1X = communications, X2X = history, X3X = Building technology, X4X = context studies, X5X = professional practice & research, X6X = electives).
8. We are using 600's for the two-year path master's path and the final courses of the 3.5 year path.