

Board of Regents, State of Iowa

**REQUEST TO IMPLEMENT A NEW BACCALAUREATE, MASTERS,
DOCTORAL OR FIRST PROFESSIONAL DEGREE PROGRAM**

THE PURPOSE OF ACADEMIC PROGRAM PLANNING: Planning a new academic degree program provides an opportunity for a Regent University to demonstrate need and demand as well as the university's ability to offer a quality program that is not unnecessarily duplicative of other similar programs offered by colleges and universities in Iowa.

Institution: **Iowa State University**

Departments involved: Architecture

CIP Discipline Specialty Title:

CIP Discipline Specialty Number (six digits):

Level: B **M** D FP

Title of Proposed Program: Master of Science in Architecture

Degree Abbreviation (e.g., Minor, B.S., B.A., M.A.): M. S. in Arch.

Approximate date to establish degree: August, 2010

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Please provide the following information (use additional pages as needed).

1. Describe the proposed new degree program, including the following:

M. S. in Arch. is a 30-credit research degree in Architecture with a graduate thesis supervised by a major professor and a graduate thesis committee. This degree is to replace the existing two research degrees in architecture: M. Arch. II & M.S.A.S. The new degree will clarify the difference between the accredited professional degree (currently M. Arch. I) and the post-professional research degree (currently M. Arch. II). This move was strongly recommended by the National Architectural Accreditation Board (NAAB) in their last visit in 2006. M. S. in Arch. will also consolidate the two research degrees (M. arch. II and M.S.A.S.) into one research degree with multiple research tracks as described below.

The curriculum for M. S. in Arch. consists of 30 credits total distributed as follows:

- 6 credits two history/theory seminars (Arch 597 & Arch 598),
- 9 credits courses within the research area,
- 6 credits electives,
- 3 credits thesis preparation (Arch 699),
- 6 credits graduate thesis (Arch 699),
- and a no-credits All-Grad seminar (Arch 698).

This degree includes seven research tracks, which are:

- Advanced Building Design
- Architecture and Construction History
- Building Science and Construction
- Design Inquiry
- Representation and Digital Media
- Rural and Urban Studies
- Sustainability and Green Design

M S in Arch is open for applicants that hold a professional degree in architecture or other related design fields. The degree is also open for applicants with non-professional degrees in various fields depending on the area of research proposed by the applicant. For example, an applicant with Bachelor in Construction Engineering may apply to conduct research in Building Science, while an applicant with a Bachelor in Graphic Design may apply to conduct research in Digital Media.

For the last three years, the number of enrolled students in the non-professional degrees increased from 2 in Fall 2007, 4 in Fall 08, to 7 in Fall 2009. Currently, the majority of the applications to non-professional degrees are by international students. Their enrollment was 0 in Fall 2007, 2 in Fall 2008 and 5 in Fall 2009. The proposal above is to encourage more prospective applicants to apply for the non-professional degree in architecture by better defining the degree requirements and the research expertise available at the Department of Architecture.

2. Describe the state and/or national workforce need and/or demand for graduates of the proposed program currently and in the near future (provide documentation about the sources of data used to estimate need and demand.)

Nationally, M S in Arch, similar to M Arch II, is considered a terminal design degree for holders of an accredited professional bachelor degree in architecture. In addition to professional jobs, these students may apply for academic jobs in the United States.

3. List all other public and private institutions of higher education in Iowa currently operating programs similar to the proposed new degree program. (For comparison purposes, use a broad definitional framework, e.g., such identification should not be limited to programs with the same title, the same degree designation, having the same curriculum emphasis, or purporting to meet exactly the same needs as the proposed program.)

No other similar programs are available in the State of Iowa.

4. Estimate the number of majors and non-majors students that are projected to be enrolled in the program during the first seven years of the program.

a. Graduate

Graduate	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Yr 6	Yr 7
Majors	6	8	10	12	14	14	14
Non-Majors							

b. What are the anticipated sources of these students?

Currently the majority of the students enrolled in M Arch II and MSAS are from outside the U.S. (5 out of 6). We expect this to remain the case in future years because the program is short and flexible which suits the various professional backgrounds of international applicants.

5. If there are plans to offer the program away from the campus, briefly describe these plans, including potential sites and possible methods of delivery instruction.

Not applicable.

6. Has the proposed program been reviewed and approved by the appropriate campus committees and authorities? List them:

Department of Architecture Curriculum Committee

Department of Architecture Faculty

College of Design Academic Affairs Committee

College of Design Faculty

Graduate College: Graduate Curriculum Committee

Graduate College: Graduate Council and Dean Holger

7. List date the program proposal was submitted to the Iowa Coordinating Council for Post High School Education (ICCPHSE) and the results of listserv review. (THIS WILL BE FILLED IN BY THE PROVOST OFFICE.)

8. Will the proposed program apply for accreditation? When?

Non, M. S. in Arch. is non-accredited research program.

9. Will articulation agreements be developed for the proposed program? With whom?

10. Describe the faculty, facilities, and equipment that will be required for the proposed program.

No additional faculty, facilities or equipment are required for this program.

11. From where will the financial resources for the proposed program come (list all that apply, e.g., department reallocation, college reallocation, grants, new to the university)?

Not applicable.

12. Estimate the total costs/total new costs (incremental increases each year in expenditures) that will be necessary for the next seven years as a result of the new program:

No additional cost since the new degree will replace already existing degrees.