

## MINOR IN ARCHITECTURAL FABRICATION AND PRODUCT DESIGN

### DEPARTMENT OF ARCHITECTURE COLLEGE OF ARCHITECTURE – TEXAS A&M UNIVERSITY

The Department of Architecture is proposing a minor in Architectural Fabrication and Product Design, offered under the Bachelor of Environmental Design Architectural Studies degree. The minor in Architectural Fabrication and Product Design can serve as a complement to several major fields of study and is open to all Texas A&M University undergraduates. The structure of the minor encourages students to gain a broad understanding of the terminology, history, prototyping, and professional practices in Architectural Product Design. The minor includes six (6) credit hours of foundation coursework and nine (9) credit hours of design, theory and practice coursework.

The Minor is made up of 15 credits of coursework as follows:

#### **Foundation courses:**

ENDS 101 – Design Process 3 cr.  
An Introduction to design processes, issues and theories relevant to design and creativity.

ARCH 216 – Computational Methods in Architecture 3 cr.  
This course will introduce students to computational tools, strategies, and processes relevant to the design of buildings and products.

#### **Design Theory and Practice:**

ARCH 353 - History of Product Design 3cr.  
This course is currently being taught as ARCH 489 Special Topics course enrolling approximately 19 students during Fall 2015.

ARCH 381 NEW COURSE) Design Seminar (1 cr. repeat 3 times for 3 cr. Total) 3 cr.  
This course is made up of presentations by and discussions with professionals representing areas of industrial design, academic, and career futures in Industrial Design.

ARCH 317 – Digital Fabrication for Architecture 3 cr.  
This course will introduce students to numerically controlled tool processes, software for fabrication, and materials for fabrication, supporting a course-based project integrating the knowledge previously acquired in the minor course of study.

Total  
15 cr.

At this time there are no electives included in the minor, this will be revisited on a regular basis for revision and addition of new and relevant courses.

As currently envisioned, all coursework in the minor is to be undertaken while in residence at Texas A&M University's College Station Campus.

Course	Title	Hours	Core Curriculum	Prerequisites
ENDS 101	Design Process	3	Creative Arts	
ARCH 216	Computational Methods in Architecture	3		
ARCH 353	History of Product Design	3		
ARCH 381	Design Seminar	1 (repeated 3x)		
ARCH 317	Digital Fabrication for Architecture	3		ARCH 216

**NOTES:**

1. Coordination with Bachelor of Environmental Design – Architecture (B.E.D.) Degree Plan  
For students pursuing the B.E.D. degree, coursework listed above may be applied to general or free electives but may not be applied to directed electives on the B.E.D. degree.
2. Students must complete a minimum of 9 hours in residence at the 300-400 level.

**Application:** Students must receive signed approval from the Department of Architecture Undergraduate Advisor or the Academic Advisor for the minor. After approval, application is completed in the student's home college or major department.

**Eligibility:** Students applying for the minor in Architectural Fabrication and Product Design must have a 2.0 or better overall GPR. Some colleges and departments outside the College of Architecture do not permit their students to minor.

**Satisfactory completion of a course:** To be awarded the minor in Architectural Fabrication and Product Design and receive transcript recognition, students must obtain a "C" or better in each course listed above.

**Transfer courses:** The student's home college or major department may grant, with the agreement from the Department of Architecture, the transfer of one upper division course, subject to approval by the Department of Architecture Associate Head for Undergraduate Studies. A course syllabi and samples of the students work in the class must be submitted for review in order to be considered for transfer credit.

**Effective date:** The minor becomes effective at the beginning of the Fall Semester of 2016. Students declaring a minor in Architectural Fabrication and Product Design must meet all requirements listed in this document to receive transcript recognition.

**Advising:** The student's home college or major department is responsible for advising students pursuing a minor in Architectural Fabrication and Product Design.

**Degree Audit:** The degree audit in Compass will certify during the semester of their graduation that students have met the requirements for the minor. The minor will be recognized after graduation on the transcript, but not on the diploma. Once declared, minor requirements become graduation requirements.

**Name:**..... **Date:**.....

**UIN:**..... **MAJOR:**.....

**Email:**.....

**Expected Graduation**

**Date:**.....

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Office Use Only:

Application was reviewed and approved by the Department of Architecture:

Student GPR above 2.0                      YES.....                      NO.....

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Academic Advisor, College of Architecture                      Date