## Part Two (II): Education Outcomes and Curriculum

## Section 1 – Student Performance: Educational Realms & Student Performance Criteria

## II.1.1 Student Performance Criteria

Curriculum Overview

The School of Architecture has developed an eleven-semester curriculum—8 semesters for the Bachelor of Arts in Environmental Design undergraduate degree and 3 semesters for the Master of Architecture graduate program—focusing on conceptualization, use & context, building technologies, professional responsibilities and outreach/engagement while developing a critical position with regard to the environment and architecture:

- The first year of the Environmental Design Program is intended to encourage the greatest possible diversity of students to explore the opportunities and expectations of an environmental design education while allowing students to undertake their university core curriculum studies. Particular emphasis is placed on conceptualization and a heightened and diverse perception of their environment as well as the methodologies for translating and expressing design intent in the first year of the curriculum.
- The second year requires that students continue their university core courses to ensure a broad perspective from which to engage their environmental design education. Within the School's second year curriculum students acquire a broad historic understanding of architecture, the ability to design structural systems and utilize architectural graphics to communicate design concepts. The design studio introduces fundamental strategies of precedent analysis, the organization of human activities and sustainability while applying the knowledge acquired in structures and graphics courses. Particular emphasis is placed on use & context during the second year of the curriculum.
- Throughout the third year of our undergraduate program, students develop the ability to design environmental control and integrated building construction systems as well as the ability to utilize advanced graphic communication strategies. The design studios are intended to develop the student's understanding of how to integrate environmental control systems and building construction systems. In the third year, particular emphasis is placed on building tectonics within the curriculum.
- The fourth and final year of the Environmental Design program consists of one required studio course and a professional practice course during one semester and a selection from one of the option studios in the other semester. Every student must complete a capstone studio emphasizing professional responsibility in which the student synthesize program development, site development, structural systems, environmental controls systems, principles of sustainability and graphic communication. The studio option semester allows students to explore an area of design and practice that is unique to their interests—focusing on internship, community design, study abroad or design-build opportunities. The emphasis remains on professional responsibility and outreach/engagement. With the satisfactory completion of the fourth year of study, students receive a Bachelor of Arts in Environmental Design degree.
- Students wishing to acquire the Masters of Architecture Degree must complete three semesters of graduate study. Throughout this graduate study, students choose from a variety of architectural studios, a required architectural research methods course and a broad range of architecture or non-architecture electives. All of the graduate design studios, required courses and electives are intended to emphasize the development of a critical position with regard to the environment and architecture.

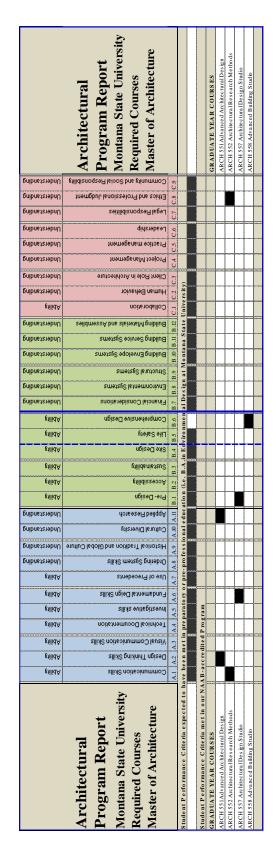
The curriculum has been structured in such a way to allow students to complete the majority of their university core courses during their first two years of our program in order to allow for a broader and more holistic exploration of topics both in architecture and in other fields. The middle portion of our curriculum emphasizes the technical knowledge that students require in order to develop a mastery of their discipline which is an important aspect of the university and school missions. During the final year of a student's undergraduate program and throughout their graduate studies, students have a broad array of educational experiences that allow them to engage with broader social, cultural and global issues.

## **Matrix of NAAB Student Performance Criteria**

On the following pages is the Required Course matrix showing the relationship between the NAAB Student Performance Criteria and the required courses offered in the School of Architecture curriculum.

Student Performance Criteria for required courses n the Master of Architecture professional degree program at MSU

Because 85-90% of the students in our M.Arch program complete their preprofessional degree program in the B.A. in Environmental Design program at MSU, we have developed the following Student Performance Criteria Matrix for required courses in <u>both</u> the Pre-professional and Professional degree programs at MSU.



Architectural	Ability	Ability	sbility	Ability	bility	Ability	Ability	Understanding	Understanding	Understanding	Understanding	Ability	Ability	Ability	Ability	Ability	Ability
Program Report  Montana State University Required Courses B.A. Environmental Design + Master of Architecture	Communication Skills	Design Thinking Skills	Visual Communication Skills	Technical Documentation	Investigative skills	Fundamental Deign Skills	Use of Precedents	Ordering System Skills	Historical Tradition and Global Culture	Cultural Diversity	Applied Research	Pre-Design	Accessibility	Sustainability	Site Design	Life Safety	Comprehensive Design
FIRST YEAR COURSES	A.1	A.2	A.3	A.4	A.5	A.6	A.7	A.8	A.9	A.10	A.II	B.1	В.2	В.3	B.4	B.5	B.6
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Financial Considerations Understanding	Environmental Systems Understanding	structural Systems Understanding	tems	Building Service Systems Understanding	semblies (	ollaboration Ability	lavior Understanding	Client Role in Architecture Understanding			Understanding	onsibilities Understanding	Ethics and Professional Judgment Understanding	Community and Social Responsibility Understanding	Architectural Program Report Montana State University Required Courses B.A. Environmental Design + Master of
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