

BS in Architectural Studies with Emphasis in Architectural Studies

Degree Program Description

The Architectural Studies emphasis is a four-year, professional baccalaureate program often referred to as a Pre-Architecture program. The architectural studies emphasis prepares students for success in entry-level jobs in the design and construction industry and also to prepare students for advanced study in architecture (Masters of Architecture, M.Arch.) or other design-related programs. See Opportunity for Employment (<https://arch.missouri.edu/undergraduate/architectural-studies-degree/>), Careers in Architectural Studies (<https://arch.missouri.edu/current-students/careers-in-architectural-studies/>), and Spotlight on Alumni (<https://arch.missouri.edu/alumni-friends/>). Students benefit from the enriched academic research environment and the emphasis on the thinking and making of physical environments that address the needs and aspirations of people. The program strives to blur the boundaries between architecture and interior design by stressing the experience of people in buildings. Students interested in becoming a licensed architect continue their education in graduate architectural programs that are accredited. Missouri residents may benefit from the Reciprocity Agreement with the University of Kansas which may waive out of state tuition for their M. Arch. degree. Alumni are admitted to many highly ranked graduate programs throughout the U.S. With coursework being part of a CIDA (<https://www.accredit-id.org/>) Accredited Interior Design Program, pre-architecture students may be eligible for the NCIDQ (<https://www.cidq.org/>) examination after graduation and experience in the field. For more information see Careers in Interior Design (<https://arch.missouri.edu/current-students/careers-in-interior-design/>) with links to professional organizations and regulations. See Architectural Studies web page for more highlights (<https://arch.missouri.edu/about/>) of program.

Major Program Requirements

Coursework

Students complete University of Missouri general education coursework that includes physics and calculus. Professional design coursework is in the following content areas: basic creative development, design planning and analysis, design communication, technical knowledge, history of art/architecture/interiors, business, and design theory.

Studio Description

It is the design studio setting where learning by doing is experienced and realized. The studio is a collaborative and cooperative learning environment emphasizing personal intellectual development as well as content learning. Course work includes studios and coursework centering on the synthesis of functional, technological, social, aesthetic and symbolic attributes architecture that support human needs and their aspirations. See Studio Description (http://arch.missouri.edu/academics_arch.html) on the department website for more information.

Application for the Professional Program

After completing two required classes of Drafting (ARCHST 1200) and Visual Design (ARCHST 1100) during the first year, students apply for

admission to the studio sequence. Applications are made at the end of the spring semester of the first year granting permission to enroll in Studio I. The application form is available at the department's web site. (http://arch.missouri.edu/academics_ugadmit.html) Transfer Coursework is evaluated by faculty on a case by case basis. Please contact the Director of Undergraduate Studies for more information.

Degree Requirements

| Basic Creative Development | | 9 |
|--|--|----|
| ARCHST 1100 | Visual Design | 3 |
| ARCHST 2315 | Introduction to Building Systems Laboratory | 1 |
| ARCHST 2316 | Advanced Building Systems Lab | 2 |
| ARCHST 3100 | Color and Light | 3 |
| Design Planning and Analysis | | 24 |
| ARCHST 2811 | Studio I | 4 |
| ARCHST 3182 | Studio II | 4 |
| ARCHST 4815 | Construction Documents and Building Information Modeling Studio | 4 |
| ARCHST 4823 | Architectural Studio III | 4 |
| ARCHST 4824 | Architectural Studio IV | 4 |
| ARCHST 4990 | Thesis Design Studio | 4 |
| Design Communication | | 9 |
| ARCHST 1200 | Architectural Drafting and Working Drawings | 3 |
| ARCHST 2230 | Design Communication I | 3 |
| ARCHST 3230 | Advanced Design Communication Using BIM | 3 |
| Technical Knowledge | | 25 |
| ARCHST 2220 | Introduction to CAD | 3 |
| ARCHST 2310 | Building Systems | 3 |
| ARCHST 2323 | Sustainable Building Design Fundamentals | 3 |
| ARCHST 4320 | Materials, Methods and Products | 3 |
| ARCHST 4323 | Sustainable Technologies and Systems | 3 |
| ARCHST 4333 | Compliance and Specifications | 3 |
| MATH 1400 | Calculus for Social and Life Sciences I | 3 |
| PHYSICS 1210 | College Physics I | 4 |
| History of Art, Architecture and Interiors | | 6 |
| ARCHST 4435 | History of the Designed Environment to 1750 | 3 |
| ARCHST 4440 | Design Precedents: Architecture, Interiors and Furniture since the Industrial Revolution | 3 |
| Business | | 3 |
| ARCHST 4710 | Design Business Practices | 3 |
| Design Theory | | 9 |
| ARCHST 1600W | Fundamentals of Environmental Design - Writing Intensive | 3 |
| ARCHST 2100 | Understanding Architecture and the American City | 3 |
| ARCHST 3860W | Human Factors Programming - Writing Intensive | 3 |

Semester Plan

Below is a sample plan of study, semester by semester. A student's actual plan may vary based on course choices where options

are available. Also, view degree program requirements (<https://arch.missouri.edu/undergraduate/architectural-studies-degree/>) at the department's web site.

| First Year | | | |
|--------------------------------|----|----------------|----|
| Fall | CR | Spring | CR |
| ARCHST 1200 | | 3 ARCHST 1100 | 3 |
| ARCHST 2100 | | 3 ARCHST 1600W | 3 |
| ENGLSH 1000 | | 3 ARCHST 2323 | 3 |
| American History or Government | | 3 MATH 1100 | 3 |
| Electives | | 3 Electives | 3 |
| | 15 | | 15 |
| Second Year | | | |
| Fall | CR | Spring | CR |
| ARCHST 2220 | | 3 ARCHST 2230 | 3 |
| ARCHST 2310 | | 3 ARCHST 3100 | 3 |
| ARCHST 2811 | | 4 ARCHST 3182 | 4 |
| ARCHST 4435 | | 3 ARCHST 4440 | 3 |
| Electives | | 3 Electives | 3 |
| | 16 | | 16 |
| Third Year | | | |
| Fall | CR | Spring | CR |
| ARCHST 3230 | | 3 ARCHST 3860W | 3 |
| ARCHST 4320 | | 3 ARCHST 4323 | 3 |
| ARCHST 4823 | | 4 ARCHST 4333 | 3 |
| MATH 1400 | | 3 ARCHST 4824 | 4 |
| ARCHST 2315 | | 1 ARCHST 2316 | 2 |
| | 14 | | 15 |
| Fourth Year | | | |
| Fall | CR | Spring | CR |
| ARCHST 4710 | | 3 ARCHST 4815 | 4 |
| ARCHST 4990 | | 4 PHYSCS 1210 | 4 |
| Electives | | 6 Electives | 8 |
| | 13 | | 16 |
| Total Credits: 120 | | | |

Grade requirements

The University requires the following courses to have a grade of C- or above: ENGLSH 1000, ARCHST 4323 Sustainable Technologies and Systems, ARCHST 1600W Fundamentals of Environmental Design - Writing Intensive and ARCHST 3860W Human Factors Programming - Writing Intensive, and ARCHST 4815 Construction Documents and Building Information Modeling Studio satisfying the capstone experience.