

PRE-ARCHITECTURE

Architecture is a profession with high job satisfaction that appeals to many. An Architecture degree can take you several places – careers in construction, engineering, urban planning, and interior design are all possible. While Wayne State College does not offer an Architecture degree, students can expect to spend 1-2 years at Wayne State and then transfer to a degree-granting institution prepared to engage in their Architecture program. While specific requirements and transferability will vary from institution to institution, you can study the foundations for architecture - math, science, and art - at Wayne State.

fast facts

Transfer details: You can spend 1-2 years at Wayne State College studying the foundations for architecture (math, science, and art), then transfer to an institution that can grant a degree in Architecture.

Department: Physical Sciences and Mathematics

School: Science, Health, and Criminal Justice

focus on results

Skills Learned

- Advanced drawing
- General physics and lab techniques
- Computer-aided design (CAD) software
- Introductory drafting and solid modeling
- College-level calculus
- Data analysis and interpretation
- Creative communication and expression
- Craftsmanship
- Presentation and public speaking
- Critical thinking and problem-solving
- Time management and organization

Possible Careers

- Architect
- Community planner
- Interior designer
- Landscape architect
- Structural engineer
- Surveyor
- Town planner
- Building inspector
- Urban designer
- Product designer
- Conservation biology educator

Types of Employers

- Architect firms
- Engineering firms
- Construction companies
- Infrastructure companies
- Landscaping companies
- Nurseries
- Urban design firms
- Government agencies
- Planning and development companies

outside the classroom

Activities / Opportunities

- Conduct research projects
- Conferences and presentations
- Art shows and trips
- Peer mentoring and tutoring
- Service-Learning
- Study Abroad

Clubs / Organizations

- Art Club
- Drafting and Design Club
- Kappa Mu Epsilon (*math honor society*)
- National Association of Home Builders
- SkillsUSA



Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.



Sample program of study

2023-24 Academic Year

Every effort is made to ensure this information is current, but please be aware that some content may have changed. There is no substitute for developing a careful course registration plan in consultation with your advisor. The class sequence listed is suggested only. The final decision rests with the student and academic advisor.

Wayne State College does not offer an architecture degree but can prepare students in building a foundation so they are ready to transfer. While specifics of requirements and transferability will vary from institution to institution, the following requirements can be expected. Consultation with an academic advisor is highly recommended.

Communication Skills

Students will likely need to meet requirements in both written and oral communication. Some of the courses that have possibility of meeting transfer requirements are listed below. Not every course in the list will be required but what would potentially transfer will vary from institution to institution.

CNA 100 Principles of Human Communication.....	3
CNA 201 Small Group Communication.....	3
CNA 210 Interpersonal Communication.....	3
ENG 102 Composition Skills	3
ENG 206 Workplace Writing.....	3

Mathematics

Some institutions require calculus. Others do not. Those that do not will require some form of trigonometry.

MAT 130 Precalculus.....	5
MAT 140 Calculus.....	5

Science

A course in physics will be required - either calculus-based for those programs that require calculus, or algebra-based for those that only require trigonometry. A lab component will also be needed.

PHY 201 General Physics I.....	3
PHY 301 University Physics I	4
PHY 321 Physics Laboratory I.....	1

Art / Design

In addition to the pragmatic elements of solid construction, much of architecture includes an artistic element. Students should expect to engage art and design principles in their program of study. Not every course in the list is required but what would potentially transfere will vary from institution to institution.

ART 103 Design.....	3
ART 110 Drawing I	3
ITE 211 Architectural and Industrial Finishing.....	3
ITE 214 Residential Drawing	3
ITE 219 Mechanical and Engineering Drafting.....	3

General Education and Other Courses

Most institutions will have general education requirements that include history, art, language, philosophy, society, and/or personal well-being. Some of those will be potentially met by some of the requirements above. Others will need to be taken independent of direct relevance to the architecture program. These will be needed to make up a balance of 30 hours for a one-year-then-transfer plan or up to 60 for a two-year-then transfer plan.

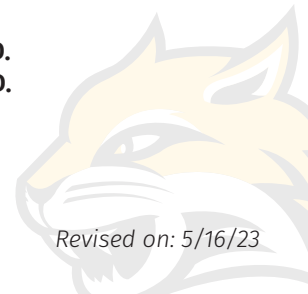
pre-architecture faculty



Visit www.wsc.edu/psm to learn more about the Department Physical Sciences and Mathematics.

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