Facilities Management BS

Overview

The **Bachelor of Science in Facilities Management**, offered by the Department of Architecture and Environmental Design (AED), prepares students for a career in the profession of facility management. This profession encompasses multiple disciplines to ensure functionality of the built environment by integrating people, place, process and technology.

Students take courses in the architecture foundation program for the first two years of study then focus on facilities management practice in the third and fourth year. The program features theoretical and applied learning and real world experience. The Facilities Management courses include industry connections and/or partnerships with professionals coming into the classroom and students visiting them on sites, thus building professional networks. The Facilities Management Lab is a dedicated workspace for Facilities Management students to utilize resources and engage in hands-on projects related to facility design and installation. Dedicated group work areas, studio, woodshop, digital fabrication, and digital lab spaces allow for in-house research drawing, modeling, and digital visualization.

Campus Location: Main

Program Code: TA-ARFM-BS

Admissions

For more information on how to apply, please visit Tyler's Architecture and Environmental Design admissions page.

Study Abroad

All AED department students have the opportunity to study abroad for a semester at Temple Rome or Temple Japan. Admission to these programs is competitive. Applications are made through the Temple Education Abroad and Overseas Campuses office.

Students who plan to study abroad should arrange to meet with an academic advisor as early as possible, preferably during the freshman year, in order to plan the sequence of courses that would be most appropriate. Because of program requirements in the fall semesters of junior and senior years, Historic Preservation and Facilities Management majors should consider attending the Rome or Japan program only during the spring semester of the junior year.

Career Opportunities

Graduates of the program are equipped to work in a range of facility management specializations including government, healthcare, higher education, corporate and real estate. Graduates are prepared to apply for graduate studies in architecture, facilities management or a related discipline, and can pursue facility management certification after entering into the profession.

Continuing Studies

All of Tyler's undergraduate architecture programs prepare students for continued study in the National Architectural Accrediting Board (NAAB) accredited Master of Architecture (MArch) professional program which has the following tracks to accommodate students from different undergraduate majors:

- A 2-year track for students with a 4-year pre-professional bachelor's degree program in architecture.
- A 3-year track for students with a bachelor's degree in other disciplines or in a non-pre-professional architecture program.

For more information on NAAB accreditation, please visit our NAAB Professional Program Information page.

Licensure/Certification

Certification for Facility Managers is a professional credential that indicates career experience and preparedness that is achieved through professional experience. The certification process is administered by the International Facilities Management Association (IFMA). The Tyler Bachelor of Science in Facilities Management prepares students for a career in Facility Management and a number of facilities career-related certifications.

The Tyler program is accredited by the Applied and Natural Science Accreditation Commission (ANSAC) of the Accreditation Board of Engineering and Technology (ABET). IFMA has joined ABET as a member society with lead responsibilities for facility management programs accredited by ANSAC. IFMA provides professional credentials and opportunities for facility managers including Facilities Management Professional (FMP), Sustainability Facility Professional (SFP), and Certified Facility Manager (CFM). While IFMA does not require accredited degrees or particular coursework in order to receive IFMA certification or their other credentials and continuing education opportunities, earning an accredited degree supports a Facilities Management graduate entry to IFMA Certification (FMP, SFP and CFM). The Bachelor of Science in Facilities Management provides a pathway from education to the profession. The degree provides the fastest path to certification.

https://www.ifma.org/credentials/overview/

Architecture Laptop Policy

Laptops are required for all students entering Architecture, Facilities Management, and Historic Preservation programs. The computer and its corresponding digital tools, such as laser cutters, 3D printers, and digital fabrication machines, have become an integral part of architectural pedagogy and the design studio environment. All architecture, facilities management, and historic preservation students begin working digitally in their freshman representation courses within the Architecture Foundations program. This Laptop Policy has been implemented to provide advantageous learning environments that guide students towards the acquisition of tools and skillsets that are most appropriate for the furthering of both their academic and professional journeys. Students should purchase a Windows-compatible laptop.

For full device and software requirements and recommendations, please see the Architecture Program Laptop Policy.

Contact Information

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Learn more about the Bachelor of Science in Facilities Management.

These requirements are for students who matriculated in academic year 2023-2024. Students who matriculated prior to fall 2023 should refer to the Archives *to view the requirements for their Bulletin year.*

Summary of Requirements

University Requirements

All students are required to complete the General Education (GenEd) requirements. Go to the General Education section for more information.

Summer or semester study abroad will satisfy the GenEd Global/World Society requirement.

All Temple students must take a minimum of two writing-intensive courses as part of the major. The specific writing-intensive courses required for this major are ARCH 3097 and ARCH 4296.

Program Requirements

A total of 122 s.h. is required for completion of the Bachelor of Science in Facilities Management.

Code	Title	Credit Hours
MATH 1031	Differential and Integral Calculus	4
Select one of the following:		4
PHYS 1021	Introduction to General Physics I	
ECE 2142	Engineering Principles for Building Science [1]	
Freshman Requirements		
ARCH 1011	Visual Literacy for Architects 1	3
ARCH 1001	Introduction to Design and the Environment	3
ARCH 1012	Visual Literacy for Architects 2	3
Sophomore Requirements		
Select one of the following:		4
ARCH 2121	Foundation Architectural Design 1	
ARCH 2123 & ARCH 2153	Facility Management Foundation I and Facility Management Case Study Research I	

ARCH 2141	Architectural History: Ancient through Renaissance	3
ARCH 2151	Architecture, Technology, and the Environment	3
Select one of the following:		4
ARCH 2122	Foundation Architectural Design 2	
ARCH 2124 & ARCH 2154	Facility Management Foundation II and Facility Management Case Study Research II	
ARCH 2142	Architectural History: 17th Century through 20th Century	3
Junior Requirements		
ARCH 3097	Introduction to Facility Management	3
ARCH 3152	Materials and Methods	4
ARCH 3013	Project Planning & Programming	3
ARCH 3354	Sustainability and Architecture	3
Senior Requirements		
ARCH 3012	Computer Aided Facility Management	3
ARCH 4011	Research Methods for Facility Management	3
ARCH 4296	Design, Behavior and Culture	3
ARCH 4099	Capstone Research Seminar for Facility Management	4
ARCH Elective		3
Additional Requirements		
ACCT 2501	Survey of Accounting	3
ECON 1102	Microeconomic Principles	3
HRM 1101	Leadership and Organizational Management	3
BA 1103	Legal and Ethical Reasoning in Business	3
RE 3501	Real Estate Fundamentals	3
RE 3502	Real Estate Practice	3
STAT 2103	Statistical Business Analytics	4
MSOM 3101	Operations Management	3

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If ECE 2142 is selected, students will need two GenEd Science and Technology (GS) courses to satisfy the GenEd requirement.

Suggested Academic Plan

Please note that this is a **suggested** academic plan. Depending on your situation, your academic plan may look different.

Bachelor of Science in Facilities Management

Suggested Plan for New Students Starting in the 2023-2024 Academic Year

Architecture Foundation Studies Courses (Year 1 & 2)

Year 1		
Fall		**Credit Hours**
ARCH 1011	Visual Literacy for Architects 1 [1]	3
ENG 0802 or ENG 0812 or ENG 0902	Analytical Reading and Writing or Analytical Reading and Writing: ESL or Honors Writing About Literature	4
MATH 1031	Differential and Integral Calculus	4
GenEd Breadth Course		3
	Credit Hours	**14**
Spring		
ARCH 1001	Introduction to Design and the Environment	3
ARCH 1012	Visual Literacy for Architects 2 (spring only)	3
IH 0851 or IH 0951	Intellectual Heritage I: The Good Life or Honors Intellectual Heritage I: The Good Life	3
Select one of the following:		4
PHYS 1021	Introduction to General Physics I	

ECE 2142	Engineering Principles for Building Science [2]	
GenEd Breadth Course		3
	Credit Hours	**16**
Year 2		
Fall		
ARCH 2121	Foundation Architectural Design 1 (fall only) [3]	4
ARCH 2141	Architectural History: Ancient through Renaissance (fall only)	3
ARCH 2151	Architecture, Technology, and the Environment	3

IH 0852
   or IH 0952
	Intellectual Heritage II: The Common Good
	   or Honors Intellectual Heritage II: The Common Good
		3

GenEd Breadth Course		3
	Credit Hours	**16**
Spring		
ARCH 2122	Foundation Architectural Design 2 ((spring only)) [4]	4
ARCH 2142	Architectural History: 17th Century through 20th Century	3
GenEd Breadth Course		3
Free Elective [5]		3
Free Elective [5]		3
	Credit Hours	**16**
	Total Credit Hours	**62**

[1]

Although not required, freshman students registered for ARCH 1011 should also take ARCH 1502.

[2]

If ECE 2142 is selected, students will need two GenEd Science and Technology (GS) courses to satisfy the GenEd requirement.

[3]

Option to take ARCH 2123 / ARCH 2153 instead of ARCH 2121 for BS in Facilities Management.

[4]

Option to take ARCH 2124 / ARCH 2154 instead of ARCH 2122 for BS in Facilities Management.

[5]

Students planning to study abroad should substitute the Free Elective for a required course available only on main campus. For more information, please see your advisor.

Note: The Architecture Foundation is common to all three undergraduate degrees. In the spring of the sophomore year, students declare a major in one of the degrees offered. A place in the BS in Facilities Management or the BS in Historic Preservation is guaranteed for all students in good standing with the University. Admission to the Bachelor of Science in Architecture is competitive. Typically, students have a cumulative GPA of 3.0 or higher and an excellent portfolio. Students in all three programs can apply to the Master of Architecture program. Bachelor of Science in Architecture students are eligible for the 2-year, 60 credit track. BS in Historic Preservation and BS in Facilities Management students may be required to take additional coursework (between 60-90 credits) at the graduate level. Students can meet with an advisor to plan ahead and can refer to the Temple University Graduate Bulletin.

Bachelor of Science in Facilities Management (Year 3 & 4)

Year 3		
Fall		**Credit Hours**
ARCH 3097	Introduction to Facility Management (fall only)	3
ARCH 3152	Materials and Methods	4
ACCT 2501	Survey of Accounting	3
HRM 1101	Leadership and Organizational Management	3
RE 3501	Real Estate Fundamentals	3
	Credit Hours	**16**
Spring		
ARCH 3013	Project Planning & Programming	3
ARCH 3354	Sustainability and Architecture	3
ECON 1102	Microeconomic Principles	3

RE 3502	Real Estate Practice	3
GenEd Breadth Course		3
	Credit Hours	**15**
Year 4		
Fall		
ARCH 3012	Computer Aided Facility Management (fall only)	3
ARCH 4011	Research Methods for Facility Management (fall only)	3
ARCH 4296	Design, Behavior and Culture (fall only)	3
STAT 2103	Statistical Business Analytics	4
BA 1103	Legal and Ethical Reasoning in Business	3
	Credit Hours	**16**
Spring		
ARCH 4099	Capstone Research Seminar for Facility Management (spring only)	4
MSOM 3101	Operations Management	3
Architecture Elective		3
GenEd Breadth Course		3
	Credit Hours	**13**
	Total Credit Hours	**60**

Code	Title	Credit Hours
Total Credits for the BS in Facilities Management:		**122**

Rome Option

Students who plan to study abroad are encouraged to meet with an advisor as early as the freshman year. While the grid below suggests appropriate coursework, a semester abroad would require using free electives that ordinarily would be taken in other semesters. It will take careful planning with an advisor to ensure that the degree is completed as efficiently as possible, and that courses normally taken in the spring of junior year on Main campus are completed before the semester abroad. ARCH 3241 counts as an Architecture elective.

Code	Title	Credit Hours
ARCH 3241	Seminar Analysis of Urban Structure in Rome	3
Free Elective		3
Free Elective		3
Free Elective		3
Free Elective		3
Total Credit Hours		**15**

Japan Option

Students who plan to study abroad are encouraged to meet with an advisor as early as the freshman year. While the grid below suggests appropriate coursework, a semester abroad would require using free electives that ordinarily would be taken in other semesters. It will take careful planning with an advisor to ensure that the degree is completed as efficiently as possible, and that courses normally taken in the spring of junior year on Main campus are completed before the semester abroad.

GenEd courses are offered at the Japan campus and can be substituted where appropriate for Free electives. ARCH 3242 counts as an Architecture elective.

Code	Title	Credit Hours
ARCH 3242	Urban Seminar in Tokyo (Undergraduate) (spring only)	3
Free Elective		3
Free Elective		3
Free Elective		3
Free Elective		3
Total Credit Hours		**15**