

Bachelor of Science in Facilities Management

The Bachelor of Science in Facilities Management program 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.

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.

Rashida Ng, Chair, Architecture and Environmental Design
Tyler School of Art and Architecture
Architecture Building, Room 204
2001 N. 13th Street
Philadelphia, PA 19122
215-204-8813
rashida.ng@temple.edu

Clifton Fordham, Facilities Management Curriculum Head
Tyler School of Art and Architecture
Architecture Building, Room 133
2001 N. 13th Street
Philadelphia, PA 19122
215-204-0580
clifton.fordham@temple.edu

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: Renaissance 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 2101 | Financial Accounting | 3 |
| ECON 1102 | Microeconomic Principles | 3 |
| HRM 1101 | Leadership and Organizational Management | 3 |
| LGLS 1112 | Law for Business ² | 3 |
| RE 3501 | Real Estate Fundamentals | 3 |
| RE 3502 | Real Estate Practice | 3 |
| STAT 2103 | Statistical Business Analytics | 4 |
| MSOM 3101 | Operations Management | 3 |

¹ If ECE 2142 is selected, students will need two GenEd Science and Technology (GS) courses to satisfy the GenEd requirement.

² Prerequisites waived for B.S. in Facilities Management students.

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 Requirements for New Students starting in the 2020-2021 Academic Year Architecture Foundation Studies Courses (Year 1 & 2)

| Year 1 | | |
|------------------------------|--|--------------|
| Fall | | Credit Hours |
| ARCH 1011 | Visual Literacy for Architects ¹ | 3 |
| ENG 0802, 0812, or 0902 | Analytical Reading and Writing [GW] | 4 |
| MATH 1031 | Differential and Integral Calculus | 4 |
| GenEd Breadth Course | | 3 |
| Term 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 0951 | Intellectual Heritage I: The Good Life [GY] | 3 |
| Select one of the following: | | 4 |
| PHYS 1021 | Introduction to General Physics I | |

| | | |
|----------------------------|--|----|
| ECE 2142 | Engineering Principles for Building Science ² | 3 |
| GenEd Breadth Course | | 3 |
| Term 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 0952 | Intellectual Heritage II: The Common Good [GZ] | 3 |
| GenEd Breadth Course | | 3 |
| Term Credit Hours | | 16 |
| Spring | | |
| ARCH 2122 | Foundation Architectural Design 2 (spring only) ⁴ | 4 |
| ARCH 2142 | Architectural History: Renaissance through 20th Century | 3 |
| GenEd Breadth Course | | 3 |
| Free Elective ⁵ | | 3 |
| Free Elective ⁵ | | 3 |
| Term Credit Hours | | 16 |
| Total Credit Hours: | | 62 |

- ¹ Although not required, freshman students registered for ARCH 1011 should also take FDPR 1501 and 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 B.S. in Facilities Management.
- ⁴ Option to take ARCH 2124 / ARCH 2154 instead of ARCH 2122 for B.S. 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 B.S. in Facilities Management or the B.S. 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. Completion of minimum entrance requirements does not guarantee admission.

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

| | | |
|----------------------|--|---------------------|
| Year 3 | | |
| Fall | | Credit Hours |
| ARCH 3097 | Introduction to Facility Management [WI] (fall only) | 3 |
| ARCH 3152 | Materials and Methods | 4 |
| ACCT 2101 | Financial Accounting | 3 |
| HRM 1101 | Leadership and Organizational Management | 3 |
| RE 3501 | Real Estate Fundamentals | 3 |
| Term 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 |
| Term 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 [WI] (fall only) | 3 |

| | | |
|-----------------------|---|----|
| STAT 2103 | Statistical Business Analytics | 4 |
| LGLS 1112 | Law for Business ¹ | 3 |
| Term 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 |
| Term Credit Hours | | 13 |
| Total Credit Hours: | | 60 |

| Code | Title | Credit Hours |
|---|-------|--------------|
| Total Credits for the B.S. in Facilities Management: | | 122 |

¹ Prerequisites waived for B.S. in Facilities Management students.

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 |