Project Management, B.S. major

Construction and Facility Management Emphasis

The Project Management degree prepares graduates for planning and managing resources under the constraints of scope, cost and time to successfully achieve a specific, unique objective. This program addresses the tools, skills and knowledge necessary to initiate, plan, implement and evaluate projects to deliver solutions. Program disciplines include: safety and risk management, leadership, quality assurance, technical sales, training, sustainability, engineering economics and cost analysis. Project Management majors have the option to select from two distinct technology related emphases: Construction and Facility Management or Operations Management. Technical credits may be transferred in with the help of an advisor.

Required Credits: 72 Required GPA: 2.25

PROJECT MANAGEMENT CONSTRUCTION AND FACILITY MANAGEMENT

TADT Common Core

- TADT 3111 Project Management Methodology (3 credits)
- TADT 3267 Economic and Cost Analysis (3 credits)
- TADT 3880 Quality Assurance (3 credits)
- TADT 4385 Sustainability and Emerging Technologies (3 credits)
- TADT 4873 Emphasis Related Capstone (4 credits)

Project Management Core Courses

- TADT 1109 Computer Applications for Project Managers (3 credits)
- TADT 3112 Leadership in a Team Environment (3 credits)
- TADT 3885 Technical Sales, Service and Training (3 credits)
- TADT 4875 Facilities Management (3 credits)
- TADT 4893 Applied Project Management (3 credits)

Construction and Facility Management Emphasis

- BUAD 3677 Real Estate (3 credits)
- TADT 3887 Safety and Risk Management (3 credits)
- TADT 4259 Construction Management (3 credits)

I TADT COMMON CORE

Complete the following courses:

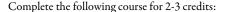
- TADT 1111 Introduction to Project Management (3 credits)
- TADT 3267 Economic and Cost Analysis (3 credits)
- TADT 3880 Quality Assurance (3 credits)
- TADT 4867 Lean Principles and Practices (3 credits)
- TADT 4873 Emphasis Related Capstone (4 credits)

Note: To be taken the summer following completion of the second year. This is not required for transfer students with an AA or AAS degree.

Complete the following course for 1 credit:

• TADT 3970 Internship (1-2 credits)

Note: To be taken the summer following completion of the third year. This course is 2 credits unless you are a transfer student with an AS or AAS degree, then the course is 3 credits.



• TADT 4970 Internship (1-12 credits)

II PROJECT MANAGEMENT CORE COURSES

Complete the following courses:

- BUAD 2220 Legal Environment (3 credits)
- TADT 2211 Introduction to Cost Management (3 credits)
- TADT 2877 Engineering Problem Solving (3 credits)
- TADT 3112 Leadership in a Team Environment (3 credits)
- TADT 3279 Contemporary Project Management (3 credits)
- TADT 3885 Technical Sales, Service and Training (3 credits)
- TADT 4875 Facilities Management (3 credits)
- TADT 4893 Applied Project Management (3 credits)

III CONSTRUCTION AND FACILITY MANAGEMENT EMPHASIS

Complete the following courses:

- BUAD 3677 Real Estate (3 credits)
- TADT 1250 The Built Environment (3 credits)
- TADT 2252 Construction Materials and Methods (3 credits)
- TADT 2260 Print Reading and Project Documentation (3 credits)
- TADT 3260 Project Bidding and Estimating (3 credits)
- TADT 3887 Safety and Risk Management (3 credits)
- TADT 4259 Construction Management (3 credits)

IV PROJECT MANAGEMENT LAB COURSES

Complete the following lab courses:

- TADD 3559 TAD LAB: Traditional Woods (2 credits)
- TADD 3660 TAD LAB: Welding (2 credits)
- TADD 3680 TAD LAB: AutoCAD (2 credits)

Choose 6 credits from the following list of lab courses:

- TADD 3557 TAD LAB: Molding & Casting (2 credits)
- TADD 3558 TAD LAB: Machining (2 credits)
- TADD 3667 TAD LAB: Finishing & Aesthetics (2 credits)
- TADD 3668 TAD LAB: Laser (2 credits)
- TADD 3677 TAD LAB: 3D Printing (2 credits)
- TADD 3678 TAD LAB: CNC Woods (2 credits)
- TADD 3689 TAD LAB: Lab Electronics (2 credits)
- TADD 3690 TAD LAB: SolidWorks (2 credits)
- TADD 4810 Advanced Extended Reality (2 credits)
- TADT 3971 Internship: Lean Six Sigma (2 credits)

Program Learning Outcomes | Project Management, B.S.

- 1. Readiness for Career: Students will apply resource management skills to address real world problems.
- 2. Higher Order Thinking: Students will analyze, design, and implement solutions to current industry needs.
- 3. Communication & Leadership: Students will demonstrate professional communication skills, ethical behavior, and effective team participation.
- 4. Knowledge, Values, & Abilities: Students will employ value-added skills in real world applications that reflect the needs of industry.