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.

Complete the following course for 2-3 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.