



# Project Management, B.S. *major*

## Product Development Emphasis

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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 three distinct technology related emphases: Construction and Facility Management, product Development or Operations Management. Technical credits may be transferred in with the help of an advisor.

Required Credits: 72  
 Required GPA: 2.25

### 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 4385 Sustainability and Emerging Technologies (3 credits)
- TADT 4873 Emphasis Related Capstone (3 credits)
- TADT 4878 Quality Assurance (3 credits)

COMPLETE THE FOLLOWING COURSE FOR 1 CREDIT:

- TADT 3970 Internship (1-3 credits)

COMPLETE THE FOLLOWING COURSE FOR 2 CREDITS:

- TADT 4970 Internship (1-12 credits)

### II PROJECT MANAGEMENT CORE COURSES

COMPLETE THE FOLLOWING COURSES:

- BUAD 2220 Legal Environment (3 credits)
- TADT 1109 Computer Applications for Project Managers (3 credits)
- TADT 1460 2D Graphics And Laser Etching (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 3885 Technical Sales, Service and Training (3 credits)
- TADT 4875 Facilities Management (3 credits)
- TADT 4893 Applied Project Management (3 credits)

### PRODUCT DEVELOPMENT EMPHASIS

COMPLETE THE FOLLOWING COURSES:

- TADT 1210 Introduction to Manufacturing Processes I (3 credits)
- TADT 1220 Introduction to Manufacturing Processes II (3 credits)
- TADT 1450 Introduction to Product Development (3 credits)
- TADT 2450 Product Finishing & Aesthetics (3 credits)
- TADT 2461 Parametric 3D Modeling (3 credits)
- TADT 3462 Computer Controlled Machining (3 credits)
- TADT 3470 Concept to Prototype Model (3 credits)
- TADT 3537 Industrial Design/Innovation (3 credits)
- TADT 4589 Advanced Prototype Project (3 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.

### SUGGESTED SEMESTER SCHEDULE PROJECT MANAGEMENT, B.S. PRODUCT DEVELOPMENT EMPHASIS

#### Freshman

- TADT1109
- TADT1111
- TADT1210
- TADT1220
- TADT1450
- TADT1460
- TADT2211
- Liberal Education Requirements

#### Sophomore

- BUAD2220
- TADT2450
- TADT2461
- TADT2877
- TADT3462
- Liberal Education Requirements

#### Sophomore - Summer

- TADT3970  
Internship for 1 Credit

#### Junior

- TADT3112
- TADT3267
- TADT3470
- TADT3537
- TADT3885
- Elective
- Liberal Education Requirements

#### Junior - Summer

- TADT4970  
Internship for 2 Credits

#### Senior

- TADT4385
- TADT4589
- TADT4873
- TADT4875

- TADT4878
- TADT4893
- Elective
- Liberal Education Requirements