



## Technology, Art and Design, B.S. *major*

### Prototype Engineering & Model Making Emphasis

Required Credits: 78

Required GPA: 2.00

#### Required TAD Core Courses

Complete the following courses:

- TADD 1100 Orientation to Technology, Art, and Design (2 credits)
- TADD 1200 Two-Dimensional Visual Foundations (2 credits)
- TADD 1300 Three-Dimensional Visual Foundations (2 credits)
- TADD 1400 The Art of Napkin Sketching (2 credits)
- TADD 1500 Tech Toolbox I: Illustrator (2 credits)
- TADD 1550 Tech Toolbox I: Photoshop (2 credits)
- TADD 1600 Fundamentals of Digital Photography (2 credits)
- TADD 1700 Presentation Planning, Design, and Delivery (3 credits)
- TADD 1800 Creativity in Action (2 credits)
- TADD 3090 Leadership in Creative Industries (2 credits)
- TADD 3360 History of Contemporary Art & Design: Present-1950 (3 credits)
- TADD 3551 Tech Toolbox I: 3ds Max (2 credits)

#### Culmination Core

Complete the following courses:

- TADD 3899 Junior Culmination: Internship Planning (2 credits)
- TADD 4899 Senior Culmination: Career Planning (2 credits)

Complete the following course for 2 credits:

- TADD 4867 Advanced Studio Practice (2 credits)

#### 3D Core

Complete the following courses:

- TADD 3200 Introduction to Model Making (2 credits)
- TADD 3380 Designing for Experiences (2 credits)
- TADD 3552 Tech Toolbox II: 3ds Max (2 credits)

#### TAD Lab Core

Complete 14 credits from the following courses:

- TADD 3557 TAD LAB: Molding & Casting (2 credits)
- TADD 3558 TAD LAB: Machining (2 credits)
- TADD 3559 TAD LAB: Traditional Woods (2 credits)
- TADD 3660 TAD LAB: Welding (2 credits)
- TADD 3667 TAD LAB: Finishing & Aesthetics (2 credits)
- TADD 3668 TAD LAB: Laser (2 credits)
- TADD 3670 TAD LAB: Traditional Painting (4 credits)
- TADD 3677 TAD LAB: 3D Printing (2 credits)
- TADD 3678 TAD LAB: CNC Woods (2 credits)
- TADD 3679 TAD LAB: CNC Metals (2 credits)
- TADD 3680 TAD LAB: AutoCAD (2 credits)

#### PROTOTYPE ENGINEERING & MODEL MAKING EMPHASIS

Complete the following courses:

- TADD 3220 Conceptual Prototype Engineering (2 credits)

- TADD 3240 Prototype Engineering & Detailing (2 credits)
- TADD 3250 Product Model Making (2 credits)
- TADD 3260 Architectural Model Making (2 credits)
- TADD 3280 Furniture Design & Model Making (2 credits)
- TADD 3320 Package Design (2 credits)
- TADD 3400 Sculpture: Experimental (2 credits)
- TADD 3410 Sculpture: Traditional (2 credits)
- TADD 3448 Tech Toolbox II: Fusion 360 (2 credits)
- TADD 3553 Tech Toolbox III: 3ds Max (2 credits)
- TADD 3700 Materials, Lighting, and Structures (2 credits)
- TADD 4430 Sculpture: CNC (2 credits)
- TADD 4860 Advanced Prototype Engineering & Model Making (2 credits)