### TADD 16-17 #15

#### Packet Contents

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#### New Program

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BSU Curriculum Forms

Form 1

Curriculum Modification Summary

College: Business
Department: School of Technology, Art & Design
Proposer: Drew Graham
Proposer’s position: Assistant Professor

Describe the modification(s) you propose, and how it (/they) will work to students' advantage. (This description and explanation will be included in Curriculum Report packets forwarded to the Faculty Senate.): Modifications include: 1 new emphasis. Changes are based on both student and industry demand.

Modifications proposed (specify number of each):
   ___ Course Modification(s) (form 2)
   ___ New Course(s) (form 3)
   ___ Course Drop(s) (form 4)
   ___ Program Modification(s) (form 5)
   1 ___ New Program(s) (form 6) *New Emphasis
   ___ Program Drop(s) (form 7)

The modifications affect (check):
   ____ Liberal Education
   X ____ Undergraduate Curriculum
   ___ Graduate Curriculum
   ____ Teacher Licensure Program(s)
BSU Curriculum Forms

Form 6
(Updated: 9.15.15)

New Program Form

Type of Program to be established:

_____M.S.*
_____M.A.*
_____Applied Masters**
_____B.S.
_____B.S./T.L.
_____B.A.
_____Minor
_____Field of Emphasis: Stand Alone
___X Field of Emphasis in: Design
_____Other:

Program name:
Major: Design, B.S.  Emphasis: Model Design

Reason(s) for new program: Industry Demand

Student learning outcomes for the program (please use the same format as for other programs in the department):

1. Students will communicate effectively in oral, written and visual forms.
2. Students will demonstrate knowledge in diverse cultural and historical perspectives and apply them to their art and design practice.
3. Students will develop and demonstrate competence in implementing art and/or design principles.
4. Students will demonstrate the ability to implement the creative process independently and/or interdependently.
5. Students will exhibit the ability to seek, give and accept constructive criticism.
6. Students will identify and integrate production management standards and practices within their artistic and/or design process.

How will the student learning outcomes be assessed (e.g., major field test, student portfolio, departmental rubric, department-developed examination questions, etc.)?

The majority of the outcomes are assessed every spring through our capstone course, which includes a portfolio presentation and evaluation from industry professionals. The other outcomes are assessed every other year through projects, tests and presentations within some of our advanced courses.
Note: If courses from other departments are required for this program, please notify the chairs of those departments.

The home department/program was notified that this new program will require courses from their area: __________ (date) by __________________ (mail, email, or phone).

Please check one of the items below:

______ No comments were received from other programs or departments within one week of the notification.

______ Comments were received within one week of the notification, and are attached.

Note: If this is a joint program, the signatures of both department chairs (and both deans, if different colleges) must be provided.

Alerts:
- Attach draft catalog copy of proposed program.
- Contact the Assistant Vice-President for Academic Affairs regarding approval downstate (required for all of the above except for a minor where there is an existing major).

* MS/MA Curriculum proposals for graduate programs must indicate how the program addresses these requirements (in the draft catalog copy or elsewhere):

  a. MnSCU 50% rule: At least one-half of the required credits in a master's degree, exclusive of a thesis, capstone, or similar culminating project, shall be credits restricted exclusively to graduate student enrollment.

  b. Competency Requirement

  c. Written Examination Requirement

**Applied Master’s Degree must address items a-c above, as well as:

  d. How the proposed capstone experience meets the capstone requirements/standards listed in the catalog.

For more information on each of these requirements refer to the current graduate catalog.
**NEW EMPHASIS**

Design, B.S. major

The Model Design Emphasis prepares students with the knowledge, skills and expertise required to create and construct tangible three-dimensional scale models. Utilizing a process of creativity, innovation and design students will have the opportunity to familiarize themselves with a variety of model making disciplines. (e.g., Consumer Products, Medical, Toys, Prototypes, Industrial Design, Architectural, 3D Printing and Engineering).

**Screening:** All Design Majors are required to pass a screening process in order to register for Junior Culmination and Senior Culmination. The screening process will take place during the fall of the student’s Junior and Senior year.

**Required Credits:** 68

**REQUIRED CORE COURSES**

COMPLETE THE FOLLOWING COURSES:

- TADD 1430 Design Foundations (4 credits)
- TADD 1440 Drawing Foundations (4 credits)
- TADD 2440 2D Design Software (4 credits)
- TADD 3440 3D Design Software (4 credits)
- TADD 3450 History of Modern Design (4 credits)

**MODEL DESIGN EMPHASIS**

**REQUIRED COURSES**

- TADT 1111 Introduction to Project Management (3 credits)
- TADT 1220 Introduction to Manufacturing Processes II (3 credits)
- TADT 1450 Introduction to Product Development (3 credits)
- TADT 2450 Product Finishing and Aesthetics (3 credits)
- TADT 2461 Parametric 3D Modeling and Printing (3 credit)
- TADD 3430 Intro to Graphic Design (4 credits)
- TADT 3462 Computer Controlled Machining (3 credit)
- TADT 3470 Concept to Prototype Model (3 credits)
- TADD 3548 Advanced 3D Design (4 credits)
- TADD 3568 Exhibit Design/Trade Show (4 credits)
- TADD 3579 Branding and Packaging (4 credits)
- TADD 3900 Junior Culmination (2 credits)
- TADD 4549 Advanced Media Design (4 credits)
- TADT 4589 Advanced Prototype Project (3 credits)
- TADD 4900 Senior Culmination (2 credits)
BSU Curriculum Forms

Form 8
Updated: 09.18.15

Signatures

Andrew Graham / Assistant Professor / 12.01.16
Proposer / Title / Date

Lyle Meulebroeck / Chair of School of Technology, Art & Design / 12.01.16
Chair or Director / Department or Program / Date
Note: "All departmental recommendations [on curriculum] must be reviewed and approved by the department's faculty." --IFO/MnSCU Master Agreement 2009-2011, 20.A.3 (p. 80).

At this point, packet goes to Records Office/Curriculum Coordinator to be logged in to the Curriculum Proposal Progress Grid.

Dr. Bonnie Higgins / Dean of College of Business / 12.08.16
Dean / College / Date

Note: If proposal is sent back to the Proposer, please notify the Curriculum Coordinator. If approved, packet goes to Academic Affairs Office.