Design Technology, B.S. *major*

Design Technology is a unique applied design program that integrates the excitement of design and illustration with the knowledge and control of graphic technology as professional preparation for an array of careers in business and industry.

The Design Technology program is an innovative interdisciplinary course of study. It couples a liberal arts context with a selection of courses drawn from three University departments. Beyond a common foundation core and culminating core, each student acquires more specialized training within a major specialization area. Students gain a solid university education along with an opportunity to acquire specialized training in a professional field of their choice.

Design Technology students are involved in a full range of learning experiences from concept and design through the actual production of the finished product. The constant demand for Bemidji State University Design Technology graduates reinforces the belief that this total design approach provides students with skillful techniques while allowing them to remain flexible in a variety of professional assignments.

The Design Technology program requires a minimum overall G.P.A. of 2.75 after the 1000-level major courses for students to remain and graduate with a Design Technology major. Students must be a declared major to register for most 2000-, 3000-, and 4000-level major courses.

Required Credits: 68
Required GPA: 2.75

REQUIRED FOUNDATION CORE

COMPLETE THE FOLLOWING COURSES:

- ARTH 3559 History Of Modern Design (3 credits)
- IT 1100 Orientation To Industrial Technology Programs (1 credit)
- IT 1501 Technical Foundations I (4 credits)
- IT 1502 Technical Foundations II (4 credits)
- VSAR 1101 Visual Foundations I (3 credits)
- VSAR 1102 Visual Foundations II (3 credits)
- VSAR 2107 Visual Foundations III (3 credits)

A. DIGITAL DESIGN/ELECTRONIC SPECIALIZATION

REQUIRED COURSES
COMPLETE THE FOLLOWING COURSES:

- IT 1460 Technical Graphics (3 credits)
- IT 2410 Photographic/Electronic Imaging (3 credits)
- IT 3410 Digital Video (3 credits)
- IT 3430 3-D Computer Imaging I (4 credits)
- IT 3520 Multimedia Processes I (4 credits)
- IT 4430 3-D Computer Imaging II (4 credits)
- IT 4520 Multimedia Processes II (4 credits)
- VSAR 2701 Graphic Design (3 credits)

SELECT 9 SEMESTER CREDITS FROM THE FOLLOWING COURSES

WITH CONSENT OF PROGRAM ADVISOR:

- CS 1107 Introduction to Computers (3 credits)
- IT 3420 Publication Processes I (4 credits)
- IT 3499 Exhibit Design (3 credits)
- IT 3870 Technical Sales/Presentations (2 credits)
- IT 4568 Topics In Computer Imaging (to be subtitled) (2 credits)
- IT 4817 Senior Project I (2 credits)
- IT 4818 Senior Project II (2 credits)
- MASC 1840 Introduction to Media Writing (3 credits)
- VSAR 2702 Typography And Layout (3 credits)
- VSAR 3707 Product and Identity Design (3 credits)

B. DIGITAL DESIGN/PRINT SPECIALIZATION

REQUIRED COURSES
COMPLETE THE FOLLOWING COURSES:

- IT 2410 Photographic/Electronic Imaging (3 credits)
- IT 3420 Publication Processes I (4 credits)
- IT 3520 Multimedia Processes I (4 credits)
- IT 4420 Publication Processes II (4 credits)
- VSAR 2701 Graphic Design (3 credits)
- VSAR 2702 Typography And Layout (3 credits)
- VSAR 3707 Product and Identity Design (3 credits)

REQUIRED ELECTIVES
SELECT 13 SEMESTER CREDITS FROM THE FOLLOWING COURSES
WITH CONSENT OF PROGRAM ADVISOR:

- IT 1460 Technical Graphics (3 credits)
- IT 3410 Digital Video (3 credits)
- IT 3430 3-D Computer Imaging I (4 credits)
- IT 3499 Exhibit Design (3 credits)
- IT 3870 Technical Sales/Presentations (2 credits)
- IT 4520 Multimedia Processes II (4 credits)
- IT 4568 Topics In Computer Imaging (to be subtitled) (2 credits)
- IT 4817 Senior Project I (2 credits)
- IT 4818 Senior Project II (2 credits)
- MASC 1840 Introduction to Media Writing (3 credits)
- MASC 2600 Principles of Advertising (3 credits)

C. EXHIBIT DESIGN SPECIALIZATION

REQUIRED COURSES
COMPLETE THE FOLLOWING 8 COURSES:

- IT 1460 Technical Graphics (3 credits)
- IT 3430 3-D Computer Imaging I (4 credits)
- IT 3499 Exhibit Design (3 credits)
- IT 3599 Exhibit Processes I (4 credits)
- IT 4430 3-D Computer Imaging II (4 credits)
- IT 4599 Exhibit Processes II (4 credits)
- IT 4699 Advanced Exhibit Design (4 credits)
- VSAR 2701 Graphic Design (3 credits)

REQUIRED ELECTIVES
SELECT 8 SEMESTER CREDITS FROM THE FOLLOWING COURSES

WITH CONSENT OF PROGRAM ADVISOR:

- IT 2410 Photographic/Electronic Imaging (3 credits)
- IT 3870 Technical Sales/Presentations (2 credits)
- IT 4568 Topics In Computer Imaging (to be subtitled) (2 credits)
- IT 4817 Senior Project I (2 credits)
- IT 4818 Senior Project II (2 credits)
- VSAR 2702 Typography And Layout (3 credits)
- VSAR 3707 Product and Identity Design (3 credits)

D. MODEL DESIGN SPECIALIZATION

REQUIRED COURSES
COMPLETE 31 SEMESTER CREDITS FROM THE FOLLOWING COURSES

- IT 1210 Materials And Processes - Forming (4 credits)
- IT 1220 Materials And Processes - Separating (4 credits)
- IT 1460 Technical Graphics (3 credits)
- IT 1600 Modeling Communications (3 credits)
- IT 2607 Model Molding, Casting, and Finishing (4 credits)
- IT 2608 Computer-Controlled Machining (3 credits)
- IT 3600 Architectural/Engineering Model Making (4 credits)
- IT 3610 Industrial Prototypes (4 credits)
- IT 4600 Model Culmination (2 credits)

REQUIRED ELECTIVES
SELECT 6 SEMESTER CREDITS FROM THE FOLLOWING COURSES

WITH CONSENT OF PROGRAM ADVISOR:

- IT 1410 Communication Technology (3 credits)
- IT 2640 Model Lighting And Controls (3 credits)
- IT 3430 3-D Computer Imaging I (4 credits)
- IT 3460 Parametric 3-D Modeling (3 credits)
- IT 4430 3-D Computer Imaging II (4 credits)
- IT 4537 Industrial Design (3 credits)
- IT 4568 Topics In Computer Imaging (to be subtitled) (2 credits)
- IT 4600 Model Culmination (2 credits)

REQUIRED CULMINATION CORE

COMPLETE THE FOLLOWING COURSES:

- IT 3810 Portfolio Preparation (1 credit)
  or VSAR 3810 Portfolio Preparation (1 credit)
- IT 4810 Portfolio Presentation (1 credit)
  or VSAR 4810 Portfolio Presentation (1 credit)
- IT 4819 Design Management (4 credits)

REQUIRED CULMINATION CORE

SELECT 4 SEMESTER CREDITS FROM THE FOLLOWING COURSES:

- IT 4817 Senior Project I (2 credits)
- IT 4818 Senior Project II (2 credits)
- IT 4970 Internship (1-12 credits)
- VSAR 4970 Internship (1-8 credits)

This degree audit is for Design Technology students accepted under an articulation agreement. Transfer courses have been accepted to complete part of your degree. You are responsible for completing the following requirements.

COMPLETE 27 SEMESTER CREDITS AT THE 3000 OR 4000 LEVEL IN ANY SPECIALIZATION EXCEPT MODEL DESIGN. THE APPROVED
COURSE LIST IS BELOW.

- IT 3410 Digital Video (3 credits)
- IT 3430 3-D Computer Imaging I (4 credits)
- IT 3520 Multimedia Processes I (4 credits)
- IT 4430 3-D Computer Imaging II (4 credits)
- IT 4520 Multimedia Processes II (4 credits)
- IT 3420 Publication Processes I (4 credits)
- IT 3499 Exhibit Design (3 credits)
- IT 3599 Exhibit Processes I (4 credits)
- IT 3870 Technical Sales/Presentations (2 credits)
- IT 4568 Topics In Computer Imaging (to be subtitled) (2 credits)
- IT 4817 Senior Project I (2 credits)
- IT 4818 Senior Project II (2 credits)
- IT 4420 Publication Processes II (4 credits)
- IT 4599 Exhibit Processes II (4 credits)
- IT 4699 Advanced Exhibit Design (4 credits)
- VSAR 3707 Product and Identity Design (3 credits)

SUGGESTED SEMESTER SCHEDULE FOR DESIGN TECHNOLOGY MAJOR, B.S.

The following is a list of required Design Technology major courses arranged by year. This schedule is intended to help students plan their courses in an orderly fashion; however, these are only suggestions and this schedule is flexible.

Note: See Visual Arts for VSAR course descriptions.

Freshman

- IT 1100 Orientation To Industrial Technology Programs (1 credit)
- IT 1501 Technical Foundations I (4 credits)
- IT 1502 Technical Foundations II (4 credits)
- VSAR 1101 Visual Foundations I (3 credits)
- VSAR 1102 Visual Foundations II (3 credits)
- Liberal Education requirements

Sophomore

- VSAR 2107 Visual Foundations III (3 credits)
- Major Specialization Required Courses
- Liberal Education requirements

Junior

- Major Specialization Required Courses
- ARTH 3559 History Of Modern Design (3 credits)
- Major Specialization Electives
- Liberal Education requirements

Senior

- Major Specialization Required Courses
- Major Specialization Electives
- Major Culminating Courses
- Liberal Education requirements