

TECHNICAL MODELING DESIGN - A.A.S.

College of Applied and Technical Studies

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Description

The Associate of Applied Science degree in Technical Modeling Design prepares students for entry-level positions as technical illustrators, drafter/designer technicians in business and computer animation and game design industries, as well as in the field of multimedia development. Computer-aided design (CAD) is used throughout the program for computer modeling and multimedia development.

The degree program articulates with the CAD for Manufacturing undergraduate certificate, the Bachelor of Science degree in Animation Game Design and other select bachelor's degrees at Kent State.

Fully Offered At:

- Tuscarawas Campus

Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

Kent State campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, and the Twinsburg Academic Center, have open enrollment admission for students who hold a high school diploma, GED or equivalent.

For more information on admissions, contact the Regional Campuses admissions offices.

Program Learning Outcomes

Graduates of this program will be able to:

1. Demonstrate entry-level skills in technical writing and programming
2. Demonstrate comprehensive skills in two-dimensional, three-dimensional and solid-modeling as applied to complex computer-aided design technology
3. Understand professional and ethical responsibilities with real-world cases
4. Collaborate with people of diverse backgrounds and abilities
5. Demonstrate an ability for effective oral, graphic and written communication
6. Recognize the need for and an ability to engage in lifelong learning

University Requirements

All students in an applied or technical associate degree program at Kent State University must complete the following university requirements for graduation.

NOTE: University requirements may be fulfilled in this program by specific course requirements, please see Program Requirements for details.

Code	Title	Credit Hours
	Destination Kent State: First Year Experience	1
	Course is not required for students with 25 transfer credits, excluding College Credit Plus, or age 21+ at time of admission.	
	Kent Core (see table below)	15
	Total Credit Hour Requirement	60
	Some associate degrees require students to complete more than 60 credit hours.	

Kent Core Requirements

Kent Core Composition (KCMP)	3
Kent Core Mathematics and Critical Reasoning (KMCR)	3
Kent Core Humanities and Fine Arts (KHUM/KFA)	3
Kent Core Social Sciences (KSS)	3
Kent Core Basic Sciences (KBS/KLAB)	3
Total Credit Hours:	15

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements (courses count in major GPA)		
AGD 11003	SOLID MODELING	3
AGD 12000	TWO DIMENSION GRAPHICS	3
AGD 12001	MODELING AND TEXTURING I	3
AGD 22000	TWO-DIMENSION COMMUNICATION	3
AGD 22001	MODELING FOR ARCHITECTURE	3
	Major Electives, choose from the following:	9
AGD 21000	FUNDAMENTALS OF MIXED REALITY	
AGD 22010	DIGITAL SCULPTING	
AGD 22095	SPECIAL TOPICS IN ANIMATION AND GAME DESIGN	
AGD 23020	GAMING AND CULTURE	
MERT 12000	ENGINEERING DRAWING	
MERT 12001	COMPUTER-AIDED DESIGN	
Additional Requirements (courses do not count in major GPA)		
ARTS 14000	DRAWING I	3
BMRT 11000	INTRODUCTION TO BUSINESS	3
or BUS 10123	EXPLORING BUSINESS	
COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL)	3
EERT 32003	TECHNICAL COMPUTING	3
ENG 20002	INTRODUCTION TO TECHNICAL WRITING	3
MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	3
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
	Kent Core Composition	3
	Kent Core Humanities and Fine Arts	3
	Kent Core Social Sciences	3
	Kent Core Basic Sciences	3

General Electives (total credit hours depends on earning minimum 60 credit hours)	5
Minimum Total Credit Hours:	60

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.000	2.000

Roadmap

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester One	Credits
AGD 12000 TWO DIMENSION GRAPHICS	3
ARTS 14000 DRAWING I	3
BMRT 11000 INTRODUCTION TO BUSINESS or BUS 10123 or EXPLORING BUSINESS	3
UC 10097 DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Major Elective	3
Kent Core Requirement	3
Credit Hours	16
Semester Two	
AGD 11003 SOLID MODELING	3
ENG 20002 INTRODUCTION TO TECHNICAL WRITING	3
MATH 11010 ALGEBRA FOR CALCULUS (KMCR)	3
Major Elective	3
Kent Core Requirement	3
Credit Hours	15
Semester Three	
AGD 12001 MODELING AND TEXTURING I	3
COMM 15000 INTRODUCTION TO HUMAN COMMUNICATION (KADL)	3
Major Elective	3
Kent Core Requirement	3
General Elective	3
Credit Hours	15
Semester Four	
AGD 22000 TWO-DIMENSION COMMUNICATION	3
AGD 22001 MODELING FOR ARCHITECTURE	3
EERT 32003 TECHNICAL COMPUTING	3
Kent Core Requirement	3
General Elective	2
Credit Hours	14
Minimum Total Credit Hours:	60