About This Program
Design your future with the Technical Modeling and Design Associate of Applied Science program. Develop the technical and creative skills needed to thrive in today's design industry. With a focus on hands-on experience and real-world projects, this program prepares you for success in a variety of design fields. Enroll now and take the first step toward a rewarding career in design. Read more...

Contact Information
• Program Coordinator: Lori Bears | lbears@kent.edu | 330-308-7438
• Speak with an Advisor
• Chat with an Admissions Counselor

Program Delivery
• Delivery:
  • Fully online
  • In person
• Location:
  • Tuscarawas Campus

Examples of Possible Careers and Salaries*
Architectural and civil drafters
• 2.5% decline
• 102,900 number of jobs
• $57,500 potential earnings

Calibration technologists and technicians and engineering technologists and technicians, except drafters, all other
• 2.1% slower than the average
• 91,600 number of jobs
• $64,190 potential earnings

Drafters, all other
• 0.6% little or no change
• 15,200 number of jobs
• $54,500 potential earnings

Electrical and electronics drafters
• 0.5% little or no change
• 25,300 number of jobs
• $62,100 potential earnings

Mechanical drafters
• -8.3% decline
• 57,500 number of jobs
• $58,270 potential earnings

* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics' Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

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.

Some programs may require that students meet certain requirements before progressing through the program. For programs with progression requirements, the information is shown on the Coursework tab.

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

Program Requirements

Major Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>AGD 11003</td>
<td>SOLID MODELING</td>
<td>3</td>
</tr>
<tr>
<td>AGD 12000</td>
<td>TWO DIMENSION GRAPHICS</td>
<td>3</td>
</tr>
<tr>
<td>AGD 12001</td>
<td>MODELING AND TEXTURING I</td>
<td>3</td>
</tr>
<tr>
<td>AGD 22000</td>
<td>TWO-DIMENSION COMMUNICATION</td>
<td>3</td>
</tr>
<tr>
<td>AGD 22001</td>
<td>MODELING FOR ARCHITECTURE</td>
<td>3</td>
</tr>
<tr>
<td>MERT 12000</td>
<td>ENGINEERING DRAWING</td>
<td>3</td>
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Major Electives, choose from the following:

- AGD 21000 FUNDAMENTALS OF MIXED REALITY
- AGD 22004 MODELING AND TEXTURING II
- AGD 22010 DIGITAL SCULPTING
- AGD 22095 SPECIAL TOPICS IN ANIMATION AND GAME DESIGN
- AGD 23020 GAMING AND CULTURE
- ARTS 14000 DRAWING I
- EMAT 10310 MY STORY ON THE WEB
- MERT 12001 COMPUTER-AIDED DESIGN

Additional Requirements (courses do not count in major GPA)

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<tr>
<td>BMRT 11000</td>
<td>INTRODUCTION TO BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 10123</td>
<td>EXPLORING BUSINESS</td>
<td></td>
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<tr>
<td>or ENTR 27056</td>
<td>INTRODUCTION TO ENTREPRENEURSHIP</td>
<td></td>
</tr>
<tr>
<td>COMM 15000</td>
<td>INTRODUCTION TO HUMAN COMMUNICATION (KADL)</td>
<td>3</td>
</tr>
<tr>
<td>EERT 32003</td>
<td>TECHNICAL COMPUTING</td>
<td>3</td>
</tr>
<tr>
<td>ENG 20002</td>
<td>INTRODUCTION TO TECHNICAL WRITING</td>
<td>3</td>
</tr>
</tbody>
</table>
MATH 11010  ALGEBRA FOR CALCULUS (KMCR)  3  
UC 10001  FLASHE 101  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 60 credits)  2  

Minimum Total Credit Hours: 60

Graduation Requirements
Minimum Major GPA  2.000  Minimum Overall GPA  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 22000  TWO-DIMENSION COMMUNICATION  3  
BMRT 11000  INTRODUCTION TO BUSINESS  3  
or
BUS 10123  or EXPLORING BUSINESS  3  
or
ENTR 27056  or INTRODUCTION TO ENTREPRENEURSHIP  3  
MERT 12000  ENGINEERING DRAWING  3  
UC 10001  FLASHES 101  1  
Major Elective  3  
Kent Core Requirement  3  
Credit Hours 16

Semester Two
Credits
AGD 11003  SOLID MODELING  3  
AGD 12000  TWO DIMENSION GRAPHICS  3  
MATH 11010  ALGEBRA FOR CALCULUS (KMCR)  3  
Major Elective  3  
Kent Core Requirement  3  
Credit Hours 15

Semester Three
Credits
AGD 12001  MODELING AND TEXTURING  1  
AGD 22001  MODELING FOR ARCHITECTURE  3  
COMM 15000  INTRODUCTION TO HUMAN COMMUNICATION  3  
(KADL)  
ENG 20002  INTRODUCTION TO TECHNICAL WRITING  3  
Major Elective  3  
Credit Hours 15

Semester Four
Credits
EERT 32003  TECHNICAL COMPUTING  3  
Major Elective  3  
Kent Core Requirement  3  
Kent Core Requirement  3  
General Elective  2  
Credit Hours 14  
Minimum Total Credit Hours: 60

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
Flashes 101 (UC 10001)  1  
Course is not required for students with 30+ 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 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.

Full 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.