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

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
Semester One: [17 Credit Hours]					
Note: Students who have earned an associate degree will have 34 credits of technical coursework articulate to the bachelor's degree program and will not have to take the electives for a minor or individualized specialization.					
CS 10061 Introduction to Computer Programming *or* DSCI 15310 Computational Thinking and Programming *or* EERT 22003 Technical Computing	3			■	
MATH 11010 Algebra for Calculus	3				Fulfills Kent Core Mathematics and Critical Reasoning
US 10097 Destination Kent State: First Year Experience	1				Not required of transfer students with 25 credits
Kent Core Requirement	3				See Kent Core Summary on page 2
Minor or Individualized Specialization Electives	7				Not required for associate degree holders; see note 1 on page 2
Semester Two: [15 Credit Hours]					
ENG 20002 Introduction to Technical Writing *or* ITAP 26638 Business Communications	3			■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Minor or Individualized Specialization Electives	9				Not required for associate degree holders; see note 1 on page 2
Semester Three: [15 Credit Hours]					
EERT 21010 Engineering and Professional Ethics *or* TECH 31010 Engineering and Professional Ethics	3				Choose course based on the number of upper-division hours still needed
Kent Core Requirement	3				See Kent Core Summary on page 2
Minor or Individualized Specialization Electives	9				Not required for associate degree holders; see note 1 on page 2
Semester Four: [15 Credit Hours]					
MATH 11012 Intuitive Calculus	3				Fulfills Kent Core Additional
Kent Core Requirement	3				
Minor or Individualized Specialization Electives	9				Not required for associate degree holders; see note 1 on page 2
Semester Five: [15 Credit Hours]					
CDAG 34000 Computer Animation II	**3**	■		■	
CDAG 34003 Animation Theory	**3**	■		■	
EERT 22018 PC/Network Engineering and Troubleshooting *or* TECH 33016 PC/Network Engineering and Troubleshooting	3			■	Choose course based on the number of upper-division hours still needed
MATH 11022 Trigonometry	3				Fulfills Kent Core Additional
Kent Core Requirement	3				See Kent Core Summary on page 2
Semester Six: [14 Credit Hours]					
CDAG 34001 Computer Animation III	**3**	■		■	
CDAG 34004 Technology of Light, Color, Design and Layout	**2**	■		■	
TECH 36620 Project Management in Engineering and Technology	**3**	■		■	
ITEC 47411 Designing Visuals for Instruction *or* **TECH 33095 Special Topics in Technology** *or* **TECH 34002 Advanced CAD II**	**3**	■		■	
Kent Core Requirement	3				See Kent Core Summary on page 2

Critical requirements are boldface in shaded areas.

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
Semester Seven: [14-16 Credit Hours]					
CDAG 43000 Advanced Animation and Game Design	**2**	■		■	
CDAG 43001 Technology of Media and Film Production	**2**	■		■	
CDAG 43004 Unix Scripting with Applications (2) *or* **ITEC 47413 Digital Video in Education (3)** *or* **TECH 33095 Special Topics in Applied Science in Technology**	**2-3**	■		■	**Choose course based on the number of upper-division hours still needed**
TECH 31000 Cultural Dynamics of Technology (3) *or* **TECH 33092 Cooperative Education-Professional Development (2)**	**2-3**	■	**C**	■	**Fulfills writing-intensive course requirement; TECH 31000 fulfills domestic diversity requirement; TECH 33092 fulfills experiential learning requirement; choose course based on the number of upper-division hours still needed**
ECON 22060 Principles of Microeconomics	3				Fulfills Kent Core Social Sciences
Kent Core Requirement	3				See Kent Core Summary below
Semester Eight: [16 Credit Hours]					
CDAG 43002 Graphic Design Technology	**3**	■		■	
CDAG 43003 Virtual Reality and Game Design	**2**	■		■	
TAS 47900 Applied Studies Capstone Seminar	**3**	■	**C**	■	**Fulfills experiential learning requirement**
ITAP 26636 Project Management for Administrative Professionals	1			■	
Kent Core Requirement	3				See Kent Core Summary below
General Elective (upper division)	4	■			Total hours depends on meeting minimum 121 credit hours and minimum 39 upper-division hours

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Global / Domestic Diversity Course	Writing-Intensive	Experiential Learning	Minimum Major GPA	Overall GPA
121	39	36	Kent Core/ TECH 31000 or Kent Core or Elective	TECH 31000 or TECH 33092	TAS 47900 or TECH 33092 or visit www.kent.edu/catalog/elr	2.000	2.000

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Composition (6-8 credit hours) *ENG 11002, 11011, 21011; HONR 10197, 10297*	Enrollment based on placement test	6-8
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 11010	0
Humanities and Fine Arts (9 credit hours) *Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts*	May fulfill diversity requirement; one course must be from ARTH to fulfill the Fine Arts requirement	9
Social Sciences (6 credit hours) *Must be selected from two curricular areas*	3 credits are fulfilled in this major with ECON 22060	3
Basic Sciences (6-7 credit hours) *Must include one laboratory*	Recommended courses: PHY 21040 and 21041	6-7
Additional (6 credit hours)	Fulfilled in this major with MATH 11012 and 11022	0

Note 1: Applied Courses should be chosen from an approved associate degree or a declared minor or individualized specialization selected in consultation with an advisor**.**

Individualized specialization electives:

COMT 11002 Visual Basic Programming	3	TECH 23581 Computer Aided Engineering Graphics	3
COMT 21010 Workgroup Productivity Software	3	TECH 33010 Computer Hardware	3
COMT 21092 Computer Practicum[E]	1-3	TECH 33095 Special Topics: Applied Science and Technology	1-3
EERT 22014 Microprocessors and Robotics	3		
EERT 22016 Productivity Software for Industry	1	TECH 46330 Visual Basic Programming in Engineering Technology	3
IERT 12005 Applications in CAD	2		
IERT 22006 Economic Decision Analysis	3	Any CADT course(s)	
MERT 12000 Engineering Drawing	3	Any ART, ARTC, ARTF, ARTH course(s) [no more than 12 credit hours combined	
MERT 12001 Computer Aided Drafting	3		
TECH 22100 Training Topics in Technology	1-4	Any VCD course(s) (no more than 15 credit hours	
TECH 22095 Special Topics in Technology	1-4	Others by program director approval	

E-fulfills experiential learning requirement

Note: Students in the Bachelor of Science in Engineering Technology degree program may apply for more than one concentration, provided that there are 18 credit hours or more of Upper Division course work in the subsequent concentration. These hours must be in one of the Engineering Technology disciplines of EERT, MERT, CDAG, GAE or TECH. Students must also complete all of the other concentration requirements specific to each concentration, in addition to differentiating their major elective courses across the two concentrations. Students who declare the 2+2 Integrated Engineering Technology concentration may not elect any other concentration. Likewise, students who elect any of the other Bachelor of Science in Engineering Technology concentrations may not elect the 2+2 Integrated Engineering Technology concentration.

Students electing a dual concentration must meet with an advisor to plan an individualized plan of study that meets these requirements before the dual concentration option will be approved for that student. Any changes made to the program of study also must be approved by an advisor, or the student may not be allowed to graduate with this option.

Kent Core
Students must complete a minimum 36 credit hours of the Kent Core. Certain courses required in programs and in student's major field may also fulfill the Kent Core. Honors equivalents shall satisfy the Kent Core. None of the courses on the Kent Core list may be taken with a pass/fail grade. Visit www.kent.edu/catalog/kent-core for course list.

Diversity Course Requirement
Students must complete a two-course diversity requirement, consisting of one with a domestic (U.S.) focus and one with a global focus. One course must come from the Kent Core. The second course may be taken as a second Kent Core, within a major or minor, or as a general elective; or, with dean's approval, by completing one semester of study in another country. Visit www.kent.edu/catalog/diversity for course list.

Writing-Intensive Course Requirement
Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.000) grade. Visit www.kent.edu/catalog/wic for course list.

Experiential Learning Requirement (ELR)
To provide students with direct engagement in learning experiences that promote academic relevance, meaning and an understanding of real-world issues, students must complete this requirement at Kent State, either as a for-credit course or as a non-credit, non-course experience approved by the appropriate faculty member. Visit www.kent.edu/catalog/elr for course list.

Upper-Division Requirement
Students must complete a minimum 39 upper-division (numbered 30000 to 49999) credit hours of coursework.