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Computer Graphics Technolgy BS - Motion Graphics Design

IUPUI Indianapolis School of Engr & Tech (TECH)

Career Options [↗] | Financial Aid Options [↗]

Student's Catalog Year: Fall 2020–Summer 2022
Total Degree Map Credits: 120

Description: Learn how you can combine design, animation, special effects and video to create professional quality pieces that will persuade, market and amaze audiences. Students will learn the 2D and 3D fundamentals of design and communication and how to tell stories in a digital world. Students will develop a range of timeline-based production skills, including 2D and 3D animation, media, video production, sound composition, and visual effects.

C **Critical Courses:** Courses that students should complete by specific points during their degree or certificate program.

M **Milestones:** Conditions or activities that students should complete by specific points during their degree or certificate program.

Completing a critical course or milestone by the associated term is considered crucial to on-time graduation.

Year One
(31 credits)

Fall Term	Minimum Grade	Credits	⌄
TECH 10200 - Intro to Technology **C**	C-	1	⌃
Critical Course **Required Semester of Completion:** Year 1, Fall			
CGT 10100 - Introduction to CGT **C**	C-	3	⌃
Critical Course **Required Semester of Completion:** Year 1, Fall			
CGT 11100 - Design for Visualization and Communication **C**	C-	3	⌃
Critical Course **Required Semester of Completion:** Year 1, Fall			
CGT 11200 - Sketching for Visualization and Communication **C**	C-	3	⌃
Critical Course **Required Semester of Completion:** Year 1, Fall			

Spring Term	Minimum Grade	Credits	⌄
CGT 11600 - Geometric Modeling for Visualization & Communication **C**	C-	3	⌃
Critical Course **Required Semester of Completion:** Year 1, Spring			
CGT 11700 - Illustrating for Visualization & Communication **C**	C-	3	⌃
Critical Course **Required Semester of Completion:** Year 1, Spring			
CIT 12000 - Quantitative Analysis I		3	⌃
Course Details: Also counts toward General Education Analytical Reasoning (List B) Competency **Required Semester of Completion:** Year 1, Spring			
MATH-M 119 - Brief Survey of Calculus		3	⌃

ENG-W 131 - English Composition   C   3   ∧

Course Details: Also count toward General Education Core Communication - Writing Competency
Required Semester of Completion: Year 4, Fall

Course Details: P: MATH 11000 OR MATH 11100 with a grade of C or better OR ALEKS placement of 58 or higher AND SAT Math Score of 510 or better OR ACT Math Score of 21 or better. Also counts toward General Education Analytic Reasoning - Math Compentency
Required Semester of Completion: Year 4, Spring

HER-E 101 - Beginning Drawing I   3   ∧

Course Details: Also counts toward the General Education Arts & Humanities or Social Science Competency.
Required Semester of Completion: Year 4, Spring

COMM-R 110 - Fundamentals of Speech Communication   3   ∧

Course Details: Also counts toward General Education Core Communication - Speaking Competency
Required Semester of Completion: Year 4, Spring

	Total	**16**

	Total	**15**

Year Two
(30 credits)

Fall Term	Minimum Grade	Credits	∨
CGT 21100 - Raster Imaging for CG [c]	C-	3	∧

Critical Course
Course Details: P: CGT 11600 AND CGT 11700
Required Semester of Completion: Year 2, Fall

CGT 21600 - Vector Imaging for Computer Graphics [c]	C-	3	∧

Critical Course
Course Details: C: CGT 21100
Required Semester of Completion: Year 2, Spring

HER-E 105 - Beginning Painting I		3	∧

Course Details: Also counts toward General Education Arts & Humanities Competency
Required Semester of Completion: Year 4, Spring

Life and Physical Science Elective		3	∧

Course Details: Also counts toward the General Education Life and Physical Sciences Competency.
Required Semester of Completion: Year 4, Spring

Free Electives		3	∧

Course Details: Selective from list of Free electives
Required Semester of Completion: Year 4, Spring

	Total	**15**

Spring Term	Minimum Grade	Credits	∨
CGT 20100 - Portfolio Presentation [c]	C-	2	∧

Critical Course
Required Semester of Completion: Year 2, Spring

CGT 20200 - Motion and Video I	C-	3	∧

Required Semester of Completion: Year 2, Spring

CGT 25100 - Principles of Creative Design [c]	C-	3	∧

Critical Course
Course Details: P: CGT 11700
Required Semester of Completion: Year 2, Spring

OLS 27400 - Applied Leadership		3	∧

Course Details: Also counts toward the General Education Social Science Elective
Required Semester of Completion: Year 4, Spring

COMM-M 221 - Electronic Media Production	C-	3	∧

Required Semester of Completion: Year 2, Spring

TCM 25000 - Career Planning in E&T [c]	C-	1	∧

Critical Course
Required Semester of Completion: Year 2, Spring

Total	**15**	

Year Three
(30 credits)

Fall Term	Minimum Grade	Credits	⌄
CGT 24100 - Introduction to Computer Animation **c**	C-	3	⌃
Critical Course **Course Details:** P: CGT 11600 and C: CGT 21100 **Required Semester of Completion:** Year 3, Fall			
CGT 31400 - Advanced Motion Design **c**	C-	3	⌃
Critical Course **Course Details:** P: ??? This class is offered only in the Fall semester.??? **Required Semester of Completion:** Year 3, Fall			
MUS-Z 317 - Computer Music Composition **c**	C-	3	⌃
Critical Course **Required Semester of Completion:** Year 3, Fall			
Life and Physical Science Elective		3	⌃
Course Details: Also counts toward the General Education Life and Physical Sciences Competency. **Required Semester of Completion:** Year 4, Spring			
CGT Elective	C-	3	⌃
Required Semester of Completion: Year 3, Spring			
Total		**15**	

Spring Term	Minimum Grade	Credits	⌄
CGT 34600 - Digital Video and Audio **c**	C-	3	⌃
Critical Course **Course Details:** P: CGT 29900(Portfolio Review) or experience with digital audio and video **Required Semester of Completion:** Year 3, Spring			
CGT 35100 - Multimedia Authoring I **c**	C-	3	⌃
Critical Course **Course Details:** P: CGT 35100 **Required Semester of Completion:** Year 3, Spring			
CGT 40200 - Motion and Video II **c**	C-	3	⌃
Critical Course **Course Details:** P: CGT ??? **Required Semester of Completion:** Year 3, Spring			
Free Electives		3	⌃
Course Details: Selective from list of free electives **Required Semester of Completion:** Year 4, Spring			
CGT-I 496 - Career Enrichment Internship V	C-	3	⌃
Required Semester of Completion: Year 3, Spring			
Total		**15**	

Year Four
(29 credits)

Fall Term	Minimum Grade	Credits	⌄
CGT 40400 - Self Promotion for Computer Graphics		2	⌃
Required Semester of Completion: Year 4, Fall			
CGT 41100 - Contemporary Problems in CG [c]	C-	3	⌃
Critical Course **Course Details:** P: Senior Standing **Required Semester of Completion:** Year 4, Spring			
CGT Elective	C-	3	⌃
Required Semester of Completion: Year 3, Spring			
CGT/CIT Elective	C-	3	⌃
Required Semester of Completion: Year 4, Fall			
Cultural Understanding Elective		3	⌃
Course Details: Also counts toward the General Education Cultural Understanding Competency. **Required Semester of Completion:** Year 4, Spring			
Notify School of Intent to Graduate [M]			⌃
Milestone Details: Please contact your school to determine appropriate steps necessary to apply for graduation. **Required Semester of Completion:** Year 4, Fall			
		Total	**14**

Spring Term	Minimum Grade	Credits	⌄
CGT 41600 - Senior Design Project [c]	C-	3	⌃
Critical Course **Course Details:** P: CGT 41500 **Required Semester of Completion:** Year 4, Spring			
CGT 44400 - Visual Effects in Film and Animation [c]		3	⌃
Critical Course **Course Details:** P: CGT ??? **Required Semester of Completion:** Year 4, Spring			
CGT Elective	C-	3	⌃
Required Semester of Completion: Year 3, Spring			
CGT/CIT Elective	C-	3	⌃
Required Semester of Completion: Year 4, Fall			
Free Elective		3	⌃
Required Semester of Completion: Year 4, Spring			
		Total	**15**

Degree Map Link: https://sisjee.iu.edu/sisigps-prd/web/igps/dm/public/maps/view?mapId=4e1ba017-b605-4019-bca7-5dbc6f6be044   Copy

Achieving minimum grades for individual courses may not result in meeting cumulative GPA requirements for admission to programs or for graduation. Verify requirements with your academic advisor or your Academic Advisement Report (AAR).

Completing 30 credit hours each calendar year is required for full state financial aid eligibility. Be sure to complete your FAFSA before March 10 each year. If you follow your map and find a course unavailable, you may be eligible to take that course for free in a future semester.

More information about the free course guarantee.