

Departmental/Program Major Courses (47 credits)

Required Major Courses (44 credits)

- _____ (2) CGT 10101 - Foundations of Computer Graphics Technology
- _____ (3) CGT 11800 - Fundamentals of Imaging Technology
- _____ (3) CGT 14700 - VFX - Introduction
- _____ (3) CGT 24100 - Introduction to Computer Animation
- _____ (3) CGT 24600 - Compositing I
- _____ (3) CGT 24700 - VFX - Particles & Procedural FX
- _____ (3) CGT 24800 - VFX3 - Pyro & Destruction
- _____ (3) CGT 24900 - VFX - Programming
- _____ (3) CGT 34000 - Digital Lighting & Rendering
- _____ (3) CGT 34600 - Digital Video & Audio
- _____ (3) CGT 34800 - Photorealistic Shaders
- _____ (3) CGT 34900 - VFX - Technical Directing
- _____ (3) CGT 41100 - Contemporary Problems in CGT
- _____ (3) CGT 44800 - VFX - Capstone
- _____ (3) CGT 45000 - Professional Practices

Major Selectives* - Select 1 of the following courses (3 credits)

<http://www.tech.purdue.edu/CGT/academics/coursepages.cfm>

- _____ (3) CGT VFX/Animation Selective

Other Departmental /Program Course Requirements (51 credits)

- _____ (3) COM 11400 - Speech Communication (*satisfies Oral Communication for core*)
- _____ (3) COM 31400 - Advanced Presentation Speaking
- _____ (3) ENGL 10600 or ENGL 10800 (*satisfies Written Communication for core*)
- _____ (3) ENGL 42000 - Business Writing
- _____ (3) ENGL 42100 - Technical Writing
- _____ (3) ENTR 20000 - Introduction to Entrepreneurship and Innovation
- _____ (3) ENTR 31000 - Marketing and Management for New Ventures
- _____ (3) ENTR 48000 - Entrepreneurship Capstone
- _____ (5) MA 16100 - Plane Analytic Geometry and Calculus I
- _____ (5) MA 16200 - Plane Analytic Geometry and Calculus II
- _____ (4) MA 26100 - Multivariate Calculus
- _____ (3) MA 26500 - Linear Algebra (*satisfies Quantitative Reasoning Selective for core*)
- _____ (3) PHIL 11400 - Global Moral Issues (*satisfies Human Behavior Humanities for core*)
- _____ (4) PHYS 21800 - General Physics (*satisfies Science Selective for core*)
- _____ (3) TECH 12000 - Design Thinking (*satisfies Information Literacy AND Science, Technology & Society Selective for core*)

Electives (22 credits)

- | | | | |
|----------------------------------|--|-----------------------------------|-----------------------------------|
| _____ (3) Humanities
Elective | _____ (4) Computer
Science
Selective | _____ (3) CGT Global
Selective | _____ (3) Psychology
Selective |
| _____ (3) Technical
Elective | _____ (3) Free Elective | _____ (3) Free Elective | _____ |

University Core Requirements

- | | | | | | |
|--|--------------------------|-------|--|--------------------------|-------|
| Human Cultures Humanities | <input type="checkbox"/> | _____ | Science, Technology & Society
Selective | <input type="checkbox"/> | _____ |
| Human Cultures Behavioral/Social Science | <input type="checkbox"/> | _____ | Written Communication | <input type="checkbox"/> | _____ |
| Information Literacy | <input type="checkbox"/> | _____ | Oral Communication | <input type="checkbox"/> | _____ |
| Science Selective | <input type="checkbox"/> | _____ | Quantitative Reasoning | <input type="checkbox"/> | _____ |
| Science Selective | <input type="checkbox"/> | _____ | | | |

The student is ultimately responsible for knowing and completing all degree requirements.

myPurduePlan is knowledge source for specific requirements and completion

Computer Graphics Technology – Effects Technical Direction (ETDR)
<https://tech.purdue.edu/degrees/computer-graphics-technology/plan-of-study>

Name:

PUID:

Suggested Arrangement of Courses:

Cr	Fall 1st Year	Prerequisite	Cr	Spring 1st Year	Prerequisite
2	CGT 10101 Foundations of CGT	Major	3	CGT 11800 Fundamentals of Imaging	
4	CS Selective		3	CGT 14700 VFX – Introduction	Concurr. MA 16100
3	TECH 12000 Design Thinking *		3	COM 11400 Speech Communication*	
3	English Selective*		5	MA 16200 Calculus II	MA 16100
5	MA 16100 Calculus I*	ALEKS 85%			
17			14		

Cr	Fall 2nd Year	Prerequisite	Cr	Spring 2nd Year	Prerequisite
3	CGT 24700 VFX-Particles & Procedural FX	CGT 147 & MA 162	3	CGT 24800 VFX3-Pyro & Destruction	CGT 247 & MA 162
3	CGT 24600 – Compositing I		3	CGT 24900 VFX-Programming	CGT 247, MA 265, PHYS 218, CS Sel
3	CGT 24100 Intro to Compr Animation		3	ENTR 20000 Intro Entr. & Innovation	
3	MA 26500 Linear Algebra	MA 16200	4	MA 26100 Multivariate Calculus	MA 16200
4	PHYS 21800 Gen Physics*		3	Humanities Selective	
16			16		

Cr	Fall 3rd Year	Prerequisite	Cr	Spring 3rd Year	Prerequisite
3	CGT 34800 Photorealistic Shaders	CGT 247, MA 265, PHYS 218, CS Sel	3	CGT 34900 VFX-Technical Directing	CGT 34800
3	CGT 34000 Digital Lighting & Rendering	CGT 24100	3	ENTR 31000 Marketing & Mgmt for New Ventures	ENTR 20000
3	CGT 34600 Digital Video & Audio		3	COM 31400 Advanced Presentation	COM 11400
3	PHIL 11400 Global Moral Issues		3	ENGL 42000 Business Writing	ENGL 106 or 108
3	Psychology Selective		3	Free Elective	
15			15		

Cr	Fall 4th Year	Prerequisite	Cr	Spring 4th Year	Prerequisite
3	CGT 44800 VFX Capstone	CGT 34900	3	CGT 45000 Professional Practice	SR Standing
3	CGT VFX/Anim. Selective		3	CGT 41100 Contemp Prob in CGT	SR Standing
3	ENTR 48000 Entr. Capstone	ENTR 31000	3	Free Elective	
3	ENGL 42100 Technical Writing	ENGL 106 or 108	3	Technical Elective	
3	Globalization Selective				
15			12		

*Satisfies a University Core Requirement

Students must earn a "C-" or better in all CGT courses.

120 semester credits required for Bachelor of Science degree.**2.0 Graduation GPA required for Bachelor of Science degree.**

Purdue policy states that a student may attempt a course no more than three (3) times. An attempt is defined as all courses displayed on a student's transcript including, but not limited to A,B,C,D,E,F,W,WF,I and IF

The student is ultimately responsible for knowing and completing all degree requirements.**myPurduePlan is knowledge source for specific requirements and completion**

SUPPLEMENTAL CGT INFORMATION**CGT VFX/ANIMATION SELECTIVES:**

CGT 34100 Motion for Computer Animation (CGT 340)
 CGT 44200 Production for Computer Animation (CGT 341) (FA)

COMPUTER SCIENCE SELECTIVE

CS 15800 C Programming
 CS 15900 Programming Applications For Engineering

CS 18000 Problem Solving & Object-Oriented Programming

TECHNICAL ELECTIVE: Any course within the Purdue Polytechnic, Engineering, Management, or Science.

SCIENCE FOUNDATIONAL SELECTIVE CORE:

See <http://www.purdue.edu/provost/initiatives/curriculum/course.html> for approved Science Core Courses.

CGT GLOBALIZATION SELECTIVE:

AD 25500 Art Appreciation
 AD 45400 Modern Architecture
 AGE 25000 Econ. Geography of World Food
 ANTH 10000 Introduction to Anthropology
 ANTH 20500 Human Cultural Diversity
 ANTH 21200 Culture, Food, and Health
 ANTH 23000 Gender Across Culture
 ANTH 31200 The Archaeology of Ancient Egypt
 ANTH 32700 Environment and Culture
 ANTH 33600 Human Variation
 ANTH 38000 Using Anthropology in the Word
 ARAB 23000 Arabic Literature in Translation
 ASAM 24000 Intro to Asian American Studies
 ASAM 34000 Contemp. Issues in Asian America
 CHNS 28000 Topics in Chinese Civiliz. & Culture
 CLCS 18100 Classical World Civilizations
 CLCS 23100 Survey of Latin Literature
 CLCS 28000 Topics in Classic Civilizations
 CLCS 38500 Sci, Med, and Magic in Ancient West
 CMPL 23000 Intro to Comparative Literature
 CMPL 26600 World Lit to 1700 A D
 CMPL 26700 World Lit from 1700 to now
 COM 22400 Com in the Global Workplace
 COM 30300 Intercultural Communication
 EAPS 37500 Fossil Fuels, Energy, and Society
 EEE 35500 Eng Environmental Sustainability
 ENGL 23000 Great Narrative Works
 ENGL 24000 British Lit Through 18th Century
 ENGL 24100 Brit Lit From Romantic. to Modern
 ENGL 26600 World Literature to 1700 A D
 ENGL 26700 World Literature 1700 to now
 ENGL 34100 Topics in Sci, Lit, and Culture
 FNR 10300 Intro to Environm. Conservation
 HDFS 28000 Diversity in Individ. & Family Life
 HEBR 28000 Modern Israel: Cinema, Lit, ect.
 HEBR 28400 Ancient Near E Hist and Culture
 HIST 10300 Intro to the Medieval World
 HIST 10400 Intro to the Modern World
 HIST 10500 Global History
 HIST 20400 East Asia in the Modern World
 HIST 24100 East Asia in the Modern World

HIST 24300 South Asian History and Civilization
 HIST 24500 Middle East History and Culture
 HIST 25000 US Relations, Mid. East & N. Africa
 HIST 27200 Latin American History from 1824
 HIST 31700 History of the Christian Church I
 HIST 32900 Women in Modern Europe
 HIST 33400 Sci & Tech in West. Civilization II
 HIST 34200 Africa and the West
 HIST 35100 Second World War
 HIST 36100 Violence in Africa
 HIST 37500 US Women Since 1870
 JPNS 28000 Intro to Modern Japanese Civilization
 JWST 33000 Intro to Jewish Studies
 LC 23500 East Asian Literature
 LC 23900 Contemporary Foreign Women Writers
 PHIL 11400 Global Morals Issues
 PHIL 20600 Philosophy of Religion
 PHIL 21900 Intro to Existentialism
 PHIL 24000 Social & Political Philosophy
 PHIL 24200 Phil, Culture & African American Exp
 PHIL 27000 Biomedical Ethics
 PHIL 29000 Environmental Ethics
 PHIL 33000 Religions of the East
 PHIL 33100 Religions of the West
 POL 13000 Intro to International Relations
 POL 14100 Governments of the World
 POL 22200 Women, Politics and Public Policy
 POL 2300 Intro to the Study of Peace
 POL 23100 Intro to US Foreign Policy
 POL 23500 Rich and Poor Nations
 POL 23700 Modern Weapons & Internationl Relatns
 POL 30400 Israel and World Politics
 POL 32700 Green Global Politics
 POL 34200 Govt and Politics in the Communist Successor States
 POL 34500 West European Democracies in the Post-Industrial Era
 POL 34800 East Asian Politics
 SOC 33800 Global Social Movements
 SOC 33900 Introduction to Sociology of Developing Nations
 TECH 33000 Tech & the Global Society
 Any foreign language course of 201, 202, 301, 302, 401, 402, or 235
 Any Study Abroad experience on your Purdue Transcript

Departmental Policy

It is the responsibility of each student to assure that he or she fulfills the necessary pre-requisites and courses to meet graduation requirements. Questions may be directed to a CGT advisor.

Each student must have 32 credit hours of 300- or 400-level Purdue courses for graduation.

MINORS APPROVED BY CGT FACULTY

Art & Design (ARTS) <http://www.cla.purdue.edu/academics/programs/pos/MARTD201210.pdf>

Building Construction Management (BCMT) <http://www.tech.purdue.edu/bcm/academics/undergraduate/bcm-minor/>

Computer & Information Technology (CNIT) <http://www.tech.purdue.edu/cit/academics/undergraduate/curricula/documents/minors-worksheet.pdf>

Computer Science (CS) http://www.cs.purdue.edu/academic_programs/undergraduate/curriculum/minor/index.sxhtml

Film/Video Studies (FILV) <http://www.cla.purdue.edu/academics/programs/pos/MFILV201010.pdf>

Mathematics (MATH) http://www.math.purdue.edu/academic/files/undergrad/math_minor.pdf

Management (MGMT) <http://www.krannert.purdue.edu/undergraduate/current-students/MGMT%20Minor%20Requirements.pdf>

Organizational Leadership & Supervision (OLSV) http://www.tech.purdue.edu/TLI/academics/undergraduate/OLS/ols_minors.cfm

Psychology (PSY) http://www.purdue.edu/hhs/psy/undergraduate/majors_req_courses/index.php

Foreign Language: Choose a language from this page <http://www.cla.purdue.edu/academics/programs/minors/>