

**Departmental/Program Major Courses (41 credits)**

**Required Major Courses (29 credits)**

- \_\_\_\_\_ (2) CGT 10101 – Foundations of Computer Graphics Technology
- \_\_\_\_\_ (3) CGT 11600 – Geometric Modeling for Visualization and Communication
- \_\_\_\_\_ (3) CGT 11800 – Fundamentals of Imaging Technology
- \_\_\_\_\_ (3) CGT 14100 – Internet Foundations, Development & Technologies
- \_\_\_\_\_ (3) CGT 21500 – CG Programming I
- \_\_\_\_\_ (3) CGT 24100 – Intro to Computer Animation
- \_\_\_\_\_ (1) CGT 25001 – Professional Practices I
- \_\_\_\_\_ (3) CGT 34000 – Digital Lighting & Rendering for Computer Animation
- \_\_\_\_\_ (3) CGT 34100 – Motion for Computer Animation
- \_\_\_\_\_ (2) CGT 41101 – Contemporary Problems in Applied CGT I
- \_\_\_\_\_ (2) CGT 41201 – Contemporary Problems in Applied CGT II
- \_\_\_\_\_ (1) CGT 45001 – Professional Practices II

**Major Selectives\* - Select 4 of the following courses (12 credits)**

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

- \_\_\_\_\_ (3) CGT Selective
- \_\_\_\_\_ (3) CGT Selective
- \_\_\_\_\_ (3) CGT Selective – 300 Level or higher
- \_\_\_\_\_ (3) CGT Selective – 400 Level or higher (CGT 44600)

**Other Departmental /Program Course Requirements (64 credits)**

- \_\_\_\_\_ (3) COM 11400 (SPCH-S121\*IU) – Speech Communication (*satisfies Oral Communication for core*)
- \_\_\_\_\_ (3) ECON 21000 (ECON-E101\*IU) – Principles of Economics (*satisfies Human Culture Behavior/Social Science for core*)
- \_\_\_\_\_ (3) ENGL 10600 (ENG-W131\*IU) (*satisfies Written Communication for core*)
- \_\_\_\_\_ (3) MA 15800 – PreCalculus (*satisfies Quantitative Reasoning Selective for core*)
- \_\_\_\_\_ (3) MA 16010 – Applied Calculus I (*satisfies Quantitative Reasoning Selective for core*)
- \_\_\_\_\_ (3) MGMT 45500 (BUS-L201\*IU) – Legal Background For Business I
- \_\_\_\_\_ (4) PHYS 21800 (PHYS-P201\*IU) – General Physics (*satisfies Science Selective for core*)
- \_\_\_\_\_ (3) PSY 12000 (PSY-P101\*IU) – Elementary Psychology (*satisfies Human Culture Behavioral/Social Science for core*)
- \_\_\_\_\_ (3) TECH 12000 – Design Thinking (*satisfies Information Literacy AND Science, Technology & Society Selective for core*)
- \_\_\_\_\_ (3) Human Cultures (*satisfies Humanities for Core*)
- \_\_\_\_\_ (6) Humanities Elective
- \_\_\_\_\_ (3) Science Selective (*satisfies Science Selective for Core*)
- \_\_\_\_\_ (3) Advanced English Selective
- \_\_\_\_\_ (3) Statistics Selective
- \_\_\_\_\_ (3) Communication Selective
- \_\_\_\_\_ (3) Management Selective
- \_\_\_\_\_ (3) CGT Global Selective
- \_\_\_\_\_ (9) Technical Electives

**Electives (15 credits)**

- |                                |                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| _____ (3) <u>Free Elective</u> | _____ (3) <u>Free Elective</u> | _____ (3) <u>Free Elective</u> | _____ (3) <u>Free Elective</u> |
| _____ (3) <u>Free Elective</u> | _____                          | _____                          | _____                          |

**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"/>	_____			

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

**myPurduePlan is knowledge source for specific requirements and completion**

Fall 1 <sup>st</sup> Year	CR	GR	Sem	Fulfilled by	Spring 1 <sup>st</sup> Year	CR	GR	Sem	Fulfilled by
CGT 10101 Foundations of CGT	2				CGT 11600 Geo Model Visual & Comm or CGT 11100 Dsgn for Visual Communication	3			
CGT 11800 Fund. Of Imaging Tech	3				CGT 14100 Internet Fdtn Dev & Tech	3			
TECH 12000 Design Thinking in Tech.*	3				COM 11400 (SPCH-S121*IU) Public Speaking*	3			
MA 15800 Precalculus* (Prereq: ALEKS Score of 60%)	3				MA 16010 Applied Calculus I* (Prereq: MA 15800 with grade of C-or better)	3			
ENGL 10600 First Year Composition* (ENG-W131*IU)	3				Technical Elective (Recommended: CGT 11200) Sketching	3			
<b>TOTAL CREDIT HOURS</b>	<b>14</b>				<b>TOTAL CREDIT HOURS</b>	<b>15</b>			

Fall 2 <sup>nd</sup> Year	CR	GR	Sem	Fulfilled by	Spring 2 <sup>nd</sup> Year	CR	GR	Sem	Fulfilled by
CGT 21500 CG Programming I (Prereq: CGT 14100 and Conc MA 16010)	3				CGT 24100 Intro to Computer Animation	3			
Human Cultures: Humanities Core*	3				CGT Selective	3			
PSY 12000 (PSY-P101*IU) Elem Psychology*	3				Science Foundational Selective Core*	3			
PHYS 21800 (PHYS-P201*IU) General Physics I*	4				ECON 21000 (ECON-E101*IU) Principles of Econ	3			
Free Elective	3				CGT 25001 Professional Practices I	1			
					Free Elective	3			
<b>TOTAL CREDIT HOURS</b>	<b>16</b>				<b>TOTAL CREDIT HOURS</b>	<b>16</b>			

Fall 3 <sup>rd</sup> Year	CR	GR	Sem	Fulfilled by	Spring 3 <sup>rd</sup> Year	CR	GR	Sem	Fulfilled by
CGT 34000 Digital Light & Rendering (Prereq: CGT 24100)	3				CGT 34100 Motion for Computer Animation (Prereq: CGT 34000)	3			
CGT Selective	3				CGT Selective	3			
Humanities Elective	3				CGT Globalization Selective	3			
Advanced English Selective (ENG-W234*IU) (Pre-req: ENG-W131)	3				STAT 30100 (MATH-K300*IU) Elem Statistical Methods	3			
Free Elective	3				Management Selective	3			
<b>TOTAL CREDIT HOURS</b>	<b>15</b>				<b>TOTAL CREDIT HOURS</b>	<b>15</b>			

Fall 4 <sup>th</sup> Year	CR	GR	Sem	Fulfilled by	Spring 4 <sup>th</sup> Year	CR	GR	Sem	Fulfilled by
CGT Selective (CGT 44600) must be 40000 level	3				CGT 45001 Professional Practice II (Prereq: Senior Standing)	1			
CGT 41101 Contemp Prob in CGT I (Prereq: Senior Standing)	2				CGT 41201 Contemp Prob in CGT II (Prereq: Senior Standing)	2			
Humanities Elective	3				Communication Selective (SPCH-S229*IU)	3			
MGMT 45500 (BUS-L201*IU) Legal Background for Bus I	3				Technical Elective	3			
Technical Elective					Free Elective	3			
Free Elective	3								
<b>TOTAL CREDIT HOURS</b>	<b>17</b>				<b>TOTAL CREDIT HOURS</b>	<b>12</b>			

Refer to the Supplemental Information for Computer Graphics Technology Fall 2016 Plan of Study sheet for a complete list of selectives and requirements.

\*Fulfills University Core Curriculum requirement.

- 120 semester credits and a 2.0 Graduation GPA are required for the Bachelor of Science degree.
- Students must earn a "C-" or better in all CGT courses.
- Courses at Purdue University may only be attempted a maximum of three (3) times, including W, WF, I, IF and all graded attempts.
- 32 credit hours of 300-level or higher courses must be completed at the Purdue University location conferring the degree.

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

## 2016 CGT SUPPLEMENTAL INFORMATION

All prerequisites must be met.

**Bold indicates courses offered at New Albany Campus.**

**\*Indicates IU Southeast course for New Albany Campus only (See Student Services Coordinator for availability.)**

### CGT SELECTIVES:

#### **Computer Animation**

CGT 24100 Intro to Computer Animation

CGT 34000 Digital Lighting & Rendering for Computer Animation (CGT 241)

CGT 34100 Motion for Computer Animation (CGT 340)

CGT 34600 Digital Video & Audio

CGT 44200 Production for Computer Animation (CGT 341) (FA)

CGT 44600 Post-Production & Special Effects for Computer Animation (CGT 241 & Senior Standing) (SP)

#### **Web Programming & Design**

CGT 25600 Human Computer Interface Theory & Design (SP)

CGT 35300 Principles of Interactive & Dynamic Media (Co-Req CGT 356) (FA)

CGT 35600 Web Programming, Development, & Data Integration (CGT 215, CNIT 267, or CS 180)

CGT 45600 Advanced Web Programming, Development, & Data Integration (CGT 356) (SP)

#### **Game Studies**

CGT 34500 Game & Simulation Development (MA 153 or higher, CGT 241, & CGT 215, CS 180, or CNIT 267) (FA)

CGT 44500 Video Game Design & Development (CGT 245 or 345) (SP)

**TECHNICAL ELECTIVE:** Any course within the Polytechnic (MET, EET, TLI, CGT, OL), Management, or Science.

### HUMAN CULTURES: HUMANITIES CORE:

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

**\*ENG-L104, FINA-F100, FINA-H100, HIST-H105, HIST-H106, MUS-M174, EALC-J101**

### COMMUNICATION SELECTIVE:

COM 30000 or 40000 level (**SPCH-S229\*IU or OLS 38800**)

### ADVANCED ENGLISH SELECTIVE

ENGL 20500 Introduction to Creative Writing (**\*ENG-W203**)

ENGL 30400 Advanced Composition

ENGL 41900 Multimedia Writing

ENGL 42000 Business Writing (**\*ENG-W231**)

ENGL 42100 Technical Writing (**\*ENG-W234**)

### SCIENCE FOUNDATIONAL SELECTIVE CORE:

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

### STATISTICS SELECTIVE:

STAT 22500 Introduction to Probability Models

STAT 30100 Elementary Statistical Methods (**\*MATH-K300**)

PSY 20100 Introduction to Statistics in Psychology

**IT 34200 Introduction to Statistical Quality**

### MANAGEMENT SELECTIVE:

Any course in Organizational Leadership & Supervision (OLS), Technology Leadership & Innovation (TLI), Management (MGMT), Economics (ECON), Entrepreneurship (ENTR), or Organizational Behavior & Human Resources (OBHR)

### CGT GLOBALIZATION SELECTIVE:

AD 25500 Art Appreciation

AD 45400 Modern Architecture

AGEC 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

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

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

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.