

Departmental/Program Major Courses (41 credits)

Required Major Courses (35 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 25600 – Human Computer Interface Theory & Design
- _____ (3) CGT 34000 – Digital Lighting & Rendering for Computer Animation
- _____ (3) CGT 34500 – Game Development III: environment Modeling for Games
- _____ (2) CGT 41101 – Contemporary Problems in Applied CGT I
- _____ (2) CGT 41201 – Contemporary Problems in Applied CGT II
- _____ (3) CGT 44500 – Video Game Design & Development
- _____ (1) CGT 45001 – Professional Practices II

Major Selectives* - Select 2 of the following courses (6 credits)

- _____ (3) CGT Selective
- _____ (3) CGT Selective

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) General Education Human Cultures: Humanities Selective *(satisfies Human Cultures Humanities for core)*
- _____ (3) Science Selective *(satisfies Science for core)*
- _____ (3) Advanced English Selective
- _____ (3) CGT Global Selective
- _____ (3) STAT 30100 (MATH-K300*IU) – Statistical Methods
- _____ (3) Management Selective
- _____ (3) Communication Selective
- _____ (3) Humanities Elective
- _____ (3) Humanities Elective
- _____ (3) Technical Elective
- _____ (3) Technical Elective
- _____ (3) Technical Elective

Electives (15 credits)

- _____ (3) _____ (3) _____ (3) _____ (3) _____
- _____ (3) _____

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

Fall 1 st Year	CR	GR	Sem	Fulfilled by	Spring 1 st Year	CR	GR	Sem	Fulfilled by
CGT 10101 Foundations of CGT	2				CGT 11600 Geo Model Vis & 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 60%)	3				MA 16010 Applied Calculus I* (Prereq: MA 15800 or ALEKS 75%)	3			
ENGL 10600 First Year Composition* (ENG-W131*IU)	3				Technical Elective (Recommended: CGT 11200) Sketching	3			
TOTAL CREDIT HOURS	14				TOTAL CREDIT HOURS	15			

Fall 2 nd Year	CR	GR	Sem	Fulfilled by	Spring 2 nd 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 25600 Human Computer Interface	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			
TOTAL CREDIT HOURS	16				TOTAL CREDIT HOURS	16			

Fall 3 rd Year	CR	GR	Sem	Fulfilled by	Spring 3 rd Year	CR	GR	Sem	Fulfilled by
CGT 34000 Digital Light & Rendering (Prereq: CGT 24100)	3				CGT 44500 Game Dev IV: Procedural Asset Creation for Games (Prereq: CGT 34500)	3			
CGT 34500 Game Dev III: Environment Modeling for Games (Prereq: CGT 24100)	3				CGT Selective	3			
Humanities Elective	3				CGT Globalization Selective	3			
Advanced English Selective (ENGL 42100) (Pre-req: ENG-W131)	3				STAT 30100 (MATH-K300*IU) Elem Statistical Methods	3			
Free Elective	3				Management Selective	3			
TOTAL CREDIT HOURS	15				TOTAL CREDIT HOURS	15			

Fall 4 th Year	CR	GR	Sem	Fulfilled by	Spring 4 th Year	CR	GR	Sem	Fulfilled by
CGT Selective	3				CGT 45001 Professional Practice II (Prereq: Senior Standing)	1			
CGT 41101 Contemp Prob in CGT (Prereq: Senior Standing)	2				CGT 41201 Contemp Prob in CGT II (Prereq: Senior Standing)	2			
Humanities Elective	3				Communication Selective (OLS 38800 or SPCH-S229*IU)	3			
MGMT 45500 (BUS-L201*IU) Legal Background for Bus I	3				Technical Elective	3			
Technical Elective	3				Free Elective	3			
Free Elective	3								
TOTAL CREDIT HOURS	17				TOTAL CREDIT HOURS	12			

*Fulfills University Core Curriculum requirement.

Graduation Requirements: Intercultural Requirement, Humanities Requirement, Professional 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 Purdue University.

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2017 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)

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

Web Programming & Design

CGT 25600 Human Computer Interface Theory & Design

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

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

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

Game Development & Design

CGT 24500 Game Development I: Core Skills & Technologies

CGT 25500 Game Development II: Design & Psychology

CGT 34500 Game Development III: Environment Modeling for Games (CGT 241, CGT 215)

CGT 44500 Game Development IV: Procedural Asset Creation for Games (CGT 345)

COMMUNICATION SELECTIVE:

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

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**

SCIENCE FOUNDATIONAL SELECTIVE CORE:

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

***BIOL-L100, CHEM-C101, PHYS-P202**

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**)

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 (OL), Technology Leadership & Innovation (TLI), Management (MGMT), Economics (ECON), Entrepreneurship (ENTR), or Organizational Behavior & Human Resources (OBHR)

CGT GLOBALIZATION SELECTIVE:

AAS 27100	Intro to African American Studies		HIST 19500	Historical Research & Film!
AAS 37300	History of Injustice		HIST 33805	History of Human Rights
AGR 20100	Communication Across Cultures		HIST 36600	Hispanic Heritage of the USA
ANSC 38100	Leadership for a Diverse Workplace		HIST 37700	History & Culture of Native America
ANTH 20500	Human Culture Diversity		HIST 46900	Black Civil Rights Movement
ANTH 21200	Culture, Food and Health		HIST 47900	Amer. Representations of Middle East & North Africa
ANTH 23000	Gender Across Cultures		HIST 49900	History of Sexual Regulation in the US
ANTH 34000	Global Perspectives on Health		HTM 37000	Sustainable Tourism & Responsible Travel
ANTH 37900	Native American Cultures		HTM 37200	Global Tourism Geography
ARAB 28000	Arabic Culture		PHIL 11400	Global Moral Issues
ASAM 24000	Intr to Asian American Studies		PHIL 43500	Philosophy of Mindy
AT 23300	Ethics and Aviation		POL 22200	Women, Politics & Public Policy
CNIT 32000	Policy, Regulation, & Globalization in IT		POL 23500	Rich & Poor Nations
COM 22400	Communicating in the Global Workplace		POL 32600	Black Political Participation in America
COM 30300	Intercultural Communication		POL 36000	Women and the Law
COM 32000	Small Group Communication		POL 42900	It's a Complex World
COM 38000	Sociolinguistic Study of African Amer. English		PSY 12000	Elementary Psychology
COM 41200	Theories of Human Interaction		PSY 25000	Psychology of Adjustment
ECET 29000	International Experience		PSY 25100	Health Psychology
ECET 38001	Global Professional Issues in ET		SOC 10000	Intro to Sociology
EDPS 30100	Peer Counseling Training		SOC 31000	Racial and Ethnic Diversity
EDPS 31500	Collaborative Leadership: Listening		SOC 33900	Intro to Sociology of Developing Nations
EDPS 31700	Collaborative Leadership: Mentoring		TECH 33000	Technology & the Global Society
ENGL 41400	Literature & Culture		TLI 31400	Leading Innovations in Organizations
HDFS 23300	Stress & Human Health		WGSS 28200	Intro to LGBT Studies
HDFS 28000	Diversity in Individual & Family Life		WGSS 38000	Gender & Multiculturalism
HDFS 33200	Stress & Coping in Contemporary Families		WGSS 38300	Women and Work
HEBR 38500	The Holocaust in Modern Hebrew Literature		Any Foreign Language course 20100, 20200, 30100, 30200, 40100, 40200	

***HIST-W101, HIST-W102, PHIL-P170, PSY-P101, SOC-S163, TECH 33000**

Intercultural Requirement:

- 1 Complete Intercultural Development Inventory (IDI) Pre and Post Tests
- 2 Complete Beliefs, Events, and Values Inventory (BEVI) Pre and Post Test
- 3 Complete Intercultural Knowledge and Effectiveness (IKE)
- 4 Complete CGT Global Course, Faculty Lead Study Abroad, International Internship, or International Capstone/Collaborative Project

Humanities Requirement (1 required):

- A Participation in Computational Arts Circle
- B Complete courses within major that have Humanities Integrated into their assignments
- C Complete course within major that have partnered with Humanities Professor
- D Complete 2 additional Humanities Courses which would complete the Cornerstone Requirement

Professional Requirement (1 required):

- A Complete an Internship
- B Complete a Co-op
- C Employment during the academic year related to Major Field of Study
- D Complete an in-class internship-like experience created by Major
- E Student Proposed Alternative: must be commensurate with the expectations of Professional Requirements related to Major Field of Study