

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 **(*CNIT 17500 Visual Programming)**
- _____ (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 & Simulation Development
- _____ (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) ¹CGT Selective – (CGT 32101)
- _____ (3) ¹CGT Selective – (CGT 39000)

Other Departmental /Program Course Requirements (64 credits)

- _____ (3) COM 11400 – Speech Communication **(*SPCH-S 121)** (satisfies Oral Communication for core)
- _____ (3) ECON 21000 – Principles of Economics **(*ECON-E 103 or *ECON-E 104)** (satisfies Human Culture Behavior/Social Science for core)
- _____ (3) ENGL 10600 or ENGL 10800 **(*ENG-W 131)** (satisfies Written Communication for core)
- _____ (3) MA 15800 – Pre-Calculus (satisfies Quantitative Reasoning Selective for core)
- _____ (3) MA 16010 – Applied Calculus I (satisfies Quantitative Reasoning Selective for core)
- _____ (3) MGMT 45500 – Legal Background for Business I **(*BUS-L 203)**
- _____ (4) PHYS 21800 – General Physics **(*PHYS-P 201)** (satisfies Science Selective for core)
- _____ (3) PSY 12000 – Elementary Psychology **(*PSY-P 103)** (satisfies Human Culture Behavioral/Social Science for core)
- _____ (3) TECH 12000 – Design Thinking (satisfies Information Literacy AND Science, Technology & Society Selective for core)
- _____ (3) ²Human Cultures (satisfies Humanities for Core)
- _____ (6) Humanities Electives
- _____ (3) ³Science Selective (satisfies Science Selective for Core)
- _____ (3) ⁴Advanced English Selective
- _____ (3) ⁵Statistics Selective
- _____ (3) ⁶Communication Selective
- _____ (3) ⁷Management Selective
- _____ (3) ⁸CGT Global Selective
- _____ (9) ⁹Technical Electives

Electives (15 credits)

- _____ (3) Free Elective _____ (3) Free Elective _____ (3) Free Elective _____ (3) Free Elective
- _____ (3) Free Elective

University Core Requirements

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Tech & Society Selective	<input type="checkbox"/>	<u>TECH 12000</u>
Human Cultures Behav/Social Sci.	<input type="checkbox"/>	<u>ECON 21000</u> (*ECON-E 103 or 104)	Written Communication	<input type="checkbox"/>	<u>ENGL 10600 or 10800</u> (*ENG-W 131)
Information Literacy	<input type="checkbox"/>	<u>TECH 12000</u>	Oral Communication	<input type="checkbox"/>	<u>COM 11400</u> (*SPCH-S 121)
Science Selective	<input type="checkbox"/>	<u>PHYS 21800</u> (*PHYS-P 201)	Quantitative Reasoning	<input type="checkbox"/>	<u>MA 15800</u>
Science Selective	<input type="checkbox"/>	_____			

***Denotes Richmond Location Course Offering**

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

myPurduePlan is knowledge source for specific requirements and completion.

Computer Graphics Technology – Game Studies (GASD)

Suggested Arrangement of Courses:

Cr	Fall 1st Year	Prerequisite	Cr	Spring 1st Year	Prerequisite
3	English Selective* *ENG-W 131 (IUE)		3	COM 11400 Speech Communication* *SPCH-S 121 (IUE)	
3	MA 15800 Pre-Calculus*	Placement	3	MA 16010 Applied Calculus I*	MA 15800
2	CGT 10101 Foundations of CGT		3	CGT 14100 Internet Fdtn Dev & Tech	
3	CGT 11100 Design for Vis & Com [Free Elective]		3	CGT 11600 Geo Mdl Visual & Comm	
3	TECH 12000 Design Thinking*		3	PSY 12000 Elem. Psychology* *PSY-P 103 (IUE)	
14			15		

Cr	Fall 2nd Year	Prerequisite	Cr	Spring 2nd Year	Prerequisite
3	CGT 21500 CG Programming I *CNIT 17500 Visual Programming		3	CGT 25600 Human Computer Interface	CGT 11100, CGT 11800
3	CGT 11200 Sketching for Vis & Com [Free Elective]		3	CGT 39000 Digital Photography [CGT Selective]	CGT 11800
3	CGT 11800 Fund. of Imaging Tech		3	ECON 21000 Principles of Econ* *ECON-E 103 or *ECON-E 104 (IUE)	
3	CGT 24100 – Intro to Computer Animation	CGT 11600	3	MGMT 45500 Leg Background for Bus I *BUS-L 203 Commercial Law I (IUE)	
4	PHYS 21800 Gen Physics* *PHYS-P 201, 5 cr (IUE)	MA 15800	3	Human Culture: Humanities Core*	
16			15		

Cr	Fall 3rd Year	Prerequisite	Cr	Spring 3rd Year	Prerequisite
3	CGT 32101 Digital Illustration [CGT Selective]	CGT 11800	3	CGT 30800 Prepress Prod & Des [Technical Elective]	CGT 11100
3	CGT 34000 Digital Light & Rendering	CGT 24100	3	CGT 30900 Internship in CGT [Technical Elective]	JR Standing
3	CGT 34500 Game & Sim Develop	CGT 24100	3	CGT 44500 Video Game Desg & Devl	CGT 34500
3	Advanced English Selective ENGL 42100 Technical Writing or *ENG-W 231 Prof Writ Skills (IUE)	*ENG-W 131 (IUE)	3	CGT Globalization Selective TECH 33000 Tech & Global Society	TECH 12000
3	Science Foundational Selective Core*		3	Free Elective	
15			15		

Cr	Fall 4th Year	Prerequisite	Cr	Spring 4th Year	Prerequisite
2	CGT 41101 Contemporary Problems in Applied Computer Graphics I	SR Standing	2	CGT 41201 Contemporary Problems in Applied Computer Graphics II	CGT 41101 SR Standing
1	CGT 25001 Computer Graphics Professional Practices I	SR Standing	1	CGT 45001 Computer Graphics Professional Practices II	CGT 25001 SR Standing
3	Technical Elective		3	Communication Selective COM 32000 Small Group Comm or 300/400 *CMCL/*SPCH (IUE)	*SPCH-S 121 (IUE)
3	TLI 11200 Foundations of Organizational Leadership [Free Elective & TECH 320000 Alternative]		3	Management Selective TLI 31400 Leading Innovation in Orgs.	TLI 11200
3	Statistics Selective *MATH-K 300 (IUE) or *PSY-K 300 (IUE)	*MATH-M 123 (IUE)	3	Free Elective	
3	Humanities Elective		3	Humanities Elective	
15			15		

*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.

32 credits of upper division courses (30000 level or higher) must be taken at the Purdue location conferring the 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.

Revised 5/18/2016 (effective Fall 2016)

SUPPLEMENTAL CGT INFORMATION

Bold indicates courses offered at Richmond Location.

See Student Services Coordinator for course availability

***Indicates IUE courses for Richmond Location only.**

¹CGT SELECTIVES:

Computer Graphics Technology

CGT 11100 Design for Visualization and Communication
CGT 11200 Sketching for Visualization and Communication
CGT 11600 Geometric Modeling for Visualization and Communication
CGT 25600 Human Computer Interface Theory & Design (CGT 111 & CGT 118)
CGT 32101 Digital Illustration (CGT 118)
CGT 35300 Principles of Interactive & Dynamic Media (CGT 216)
CGT 35600 Web Programming, Development, & Data Integration (CNIT 175)
CGT 39000 Digital Photography (CGT 118)
CGT 45600 Advanced Web Programming, Development, & Data Integration (CGT 356)

Computer Animation

CGT 25600 Human Computer Interface Theory & Design (CGT 111 & CGT 118)
CGT 32101 Digital Illustration (CGT 118)
CGT 39000 Digital Photography (CGT 118)
CGT 44600 Post-Production & Special Effects for Computer Animation (CGT 341 & Senior Standing)

Web Programming & Design

CGT 24100 Intro to Computer Animation (CGT 116)
CGT 32101 Digital Illustration (CGT 118)
CGT 39000 Digital Photography (CGT 118)

Game Studies

CGT 32101 Digital Illustration (CGT 118)
CGT 39000 Digital Photography (CGT 118)

²HUMAN CULTURES: HUMANITIES CORE:

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

*ENGL-L 204	*FREN-F 100, *FREN-F 150,	*PHIL-P 100, *PHIL-P 120, *PHIL-P 140
*FINA-A 101, FINA-A 102	*FREN-F 200, *FREN-F 250	*SPAN-S 100, *SPAN-S 150,
*FINA-F 100, FINA-H 100	*HIST-H 105, *HIST-H 106	*SPAN-S 200, *SPAN-S 250
*FINA-S 200, *FINA-S 260	*MUS-M 174, *MUS-T 101, *MUS-Z 393	*THTR-T 210

³SCIENCE FOUNDATIONAL SELECTIVE CORE:

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

*ANTH-A 103	*CHEM-C 106 + *CHEM-C 126
*BIOL-L 101 + *BIOL-L 102	*GEOL-G 111
*CHEM-C 105 + *CHEM-C 125,	*PHYS-P 202

⁴ADVANCED ENGLISH SELECTIVE

ENGL 20500 Introduction to Creative Writing
ENGL 30400 Advanced Composition
ENGL 41900 Multimedia Writing

ENGL 42000 Business Writing
ENGL 42100 Technical Writing
***ENG-W 231**

⁵STATISTICS SELECTIVE:

STAT 22500 Introduction to Probability Models
STAT 30100 Elementary Statistical Methods
***MATH-K 300**

PSY 20100 Introduction to Statistics in Psychology
***PSY-K 300**
IT 34200 Introduction to Statistical Quality

⁶COMMUNICATION SELECTIVE:

COM 30000 or 40000 level
COM 32000 Small Group Communication

***300- or 400-level courses in *SPCH-S or *CMCL-C**

SUPPLEMENTAL CGT INFORMATION

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See Student Services Coordinator for course availability

***Indicates IUE courses for Richmond Location only.**

⁷MANAGEMENT SELECTIVE:

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

TLI 31400 Leading Innovation in Organizations

⁸CGT 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
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 23000 Intro to the Study of Peace
POL 23100 Intro to US Foreign Policy
POL 23500 Rich and Poor Nations
POL 23700 Modern Weapons & International 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

⁹TECHNICAL ELECTIVE: Any course within the **Purdue Polytechnic Institute**, Engineering, Management, or Science.

CGT 39000 Digital Photography

CGT 30900 Internship in CGT

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.