

Departmental/Program Major Courses (41 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
- _____ (0) CGT 20500 – Portfolio Review
- _____ (3) CGT 21500 – CG Programming I (**CNIT 15500**)
- _____ (3) CGT 24100 – Intro to Computer Animation
- _____ (3) CGT 24500 – Game Development I: Core Skills and Technologies
- _____ (1) CGT 25001 – Professional Practices I
- _____ (3) CGT 25500 – Game Development II: Design and Psychology
- _____ (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
- _____ (0) CGT 40500 – Senior Portfolio Review
- _____ (2) CGT 41101 – Contemporary Problems in Applied CGT I
- _____ (2) CGT 41201 – Contemporary Problems in Applied CGT II
- _____ (3) CGT 44500 – Game Development IV: Procedural Asset Creation for Games
- _____ (1) CGT 45001 – Professional Practices II

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 – PreCalculus (*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 (**TLI 45700 or *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) ¹Human Cultures (*satisfies Humanities for core*)
- _____ (6) Humanities Electives
- _____ (3) ²Science Selective (*satisfies Science Selective for core*)
- _____ (9) ³Technical Electives (**CGT 32101, CGT 39000, and TECH 39699**)
- _____ (3) ⁴Advanced English Selective
- _____ (3) ⁵Statistics Selective
- _____ (3) ⁶Management Elective
- _____ (3) ⁷Communication Selective
- _____ (3) ⁸CGT Global Selective

Electives (15 credits)

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|-------------------------------|-------------------------------|--------------------------------------|--------------------------------------|
| _____ (3) Free Elective _____ | | Free Elective _____ | Free Elective _____ |
| _____ (3) Free Elective _____ | _____ (3) Free Elective _____ | _____ (3) (CGT 30800) _____ | _____ (3) (TLI 11200) _____ |

University Core Requirements

Human Cultures Humanities	<input type="checkbox"/>	Science, Tech & 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"/>		

ECON 21000 (*ECON-E 103)	TECH 12000	TECH 12000	ENGL 10600 or 10800 (*ENG-W 131)
PHYS 21800 (*PHYS-P 201)			COM 11400 (*SPCH-S 121)
			MA 15800

***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 Development & Design (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*	ALEKS 60%	3	MA 16010 Applied Calculus I*	MA 15800 or ALEKS 75%
2	CGT 10101 Foundations of CGT		3	CGT 11600 Geo Mdl Visual & Comm	
3	CGT 11800 Fund. Of Imaging Tech		3	CGT 14100 Internet Fdtn Dev & Tech	
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 15500 Intro. to Object-Oriented Programming		3	CGT 25600 Human Computer Interface Theory & Design	CGT 11800
3	CGT 24100 Intro to Computer Animation	CGT 11600	3	CGT 39000 Digital Photography [Technical Elective]	
3	CGT 32101 Digital Illustration [Technical Elective]	CGT 11800	3	ECON 21000 Principles of Econ *ECON-E 103 or *ECON-E 104 (IUE)	
4	PHYS 21800 Gen Physics* *PHYS-P 201, 5cr (IUE)	MA 15800	3	Human Culture: Humanities Core*	
3	Free Elective (Apply extra Physics credit here)		3	TLI 11200 Foundations of Org Lead [Free Elective]	
16			15		

Cr	Fall 3rd Year	Prerequisite	Cr	Spring 3rd Year	Prerequisite
3	CGT 24500 Game Development I	CNIT 15500 & CGT 24100	3	CGT 25500 Game Development II	CGT 24500 C: CGT 20500
3	CGT 34000 Digital Light & Rendering	CGT 24100	0	CGT 20500 Portfolio Review	C: CGT 25500
3	Science Foundational Selective Core*		3	CGT 30800 Prepress Prod & Des [Free Elective]	
3	Management Selective TLI 31400 Leading Innov. in Orgs	TLI 11200	3	TECH 39699 Prof. Practice Internship [Technical Elective]	JR Standing
3	Advanced English Selective ENGL 42100 Technical Writing or *ENG-W 231 Prof Writ Skills (IUE)	*ENG-W 131 (IUE)	3	Communication Selective COM 32000 Small Group Comm or 300/400 *CMCL-C/*SPCH (IUE)	*SPCH-S 121 (IUE)
			3	Free Elective	
15			15		

Cr	Fall 4th Year	Prerequisite	Cr	Spring 4th Year	Prerequisite
3	CGT 34500 Game Development III	CGT 25500	3	CGT 44500 Game Development IV	CGT 34500 C: CGT 40500
2	CGT 41101 Contemporary Problems in Applied Computer Graphics I	SR Standing	0	CGT 40500 Senior Portfolio Review	C: CGT 44500
1	CGT 25001 Computer Graphics Professional Practices I	SR Standing	2	CGT 41201 Contemporary Problems in Applied Computer Graphics II	CGT 41101 SR Standing
3	Statistics Selective STAT 30100, *MATH-K 300 (IUE), or *PSY-K 300 (IUE)	*MATH-M 123 (IUE)	1	CGT 45001 Computer Graphics Professional Practice II	CGT 25001 SR Standing
			3	CGT Globalization Selective TECH 33000 Tech & Global Society	TECH 12000
3	Free Elective		3	MGMT 45500 Leg. Background for Bus I TLI 45700 Technology Policy & Law or *BUS-L 203 (IUE)	
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.

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

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

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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.
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SUPPLEMENTAL CGT INFORMATION

Bold indicates courses offered at Richmond Location.

See Student Services Coordinator for course availability.

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

¹HUMAN CULTURES: HUMANITIES CORE:

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

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

²SCIENCE FOUNDATIONAL SELECTIVE CORE:

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

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|-----------------------------------|----------------------------------|
| *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 |

³TECHNICAL ELECTIVES:

Any Course within the **Purdue Polytechnic Institute**, Engineering, Management, or Science.

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|-------------------|---|------------------|-----------------------------|
| CGT 30800 | Prepress Production & Design | CGT 32101 | Digital Illustration |
| TECH 39699 | Professional Practice Internship | | |

⁴ADVANCED ENGLISH SELECTIVE:

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|-------------------|---|-------------------|--------------------------|
| ENGL 20500 | Introduction to Creative Writing | ENGL 42000 | Business Writing |
| ENGL 30400 | Advanced Composition | ENGL 42100 | Technical Writing |
| ENGL 41900 | Multimedia Writing | *ENG-W 231 | |

⁵STATISTICS SELECTIVE:

- | | | | |
|-------------------|---|---------------------|---------------------------------------|
| IT 34200 | Introduction to Statistical Quality | STAT 30100 | Elementary Statistical Methods |
| PSY 20100 | Introduction to Statistics in Psychology | *MATH-K 300, | *PSY-K 300 |
| STAT 22500 | Introduction to Probability Models | STAT 35000 | Introduction to Statistics |

⁶MANAGEMENT SELECTIVE:

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

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|------------------|--|
| TLI 31400 | Leading Innovation in Organizations |
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⁷COMMUNICATION SELECTIVE:

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|---------------------------------|---|
| COM 30000 or 40000 Level | COM 32000 Small Group Communication |
| | *300- or 400-level courses in *SPCH-S or *CMCL-C |

⁸CGT GLOBALIZATION SELECTIVE:

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|--------------------|--------------------|--------------------|--------------------|
| *ANTH-A 104 | *FREN-F 200 | *POLS-Y 324 | *SOC-S 335 |
| *ANTH-E 300 | *FREN-F 250 | *PSY-P 103 | *SPAN-S 200 |
| *ANTH-E 320 | *POLS-Y 206 | *SOC-S 100 | *SPAN-S 250 |

AAS	27100	Intro to African American Studies		ANTH	34100	Culture and Personality
AAS	37300	Issues in African American Studies		ANTH	37900	Native American Cultures
AGR	20100	Communicating Across Culture		ARAB	28000	Arabic Culture
ANSC	38100	Leadership for a Diverse Workplace		ASAM	24000	Intro to Asian American Studies
ANTH	20300	Bio. Bases of Human Soc. Behavior		AT	23300	Ethics and Aviation
ANTH	20500	Human Cultural Diversity		CNIT	32000	Policy, Reg, & Globalization in IT
ANTH	21000	Technology and Culture		COM	22400	Comm. in the Global Workplace
ANTH	21200	Culture, Food and Health		COM	30300	Intercultural Communication
ANTH	23000	Gender Across Cultures		COM	32000	Small Group Communication
ANTH	34000	Global Perspectives on Health		COM	37300	Self-Presentation and Social Image

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⁸CGT GLOBALIZATION SELECTIVE CONTINUED:

COM	38000	Soc. Study of African Amer. English		MSL	20100	Individual Leadership Studies
COM	41200	Theories of Human Interaction		OLS	35000	Creativity in Business & Industry
COM	42300	Leadership, Communication & Orgs		PHIL	11400	Global Moral Issues
ECET	29000	International Experience		PHIL	43500	Philosophy of Mind
ECET	38001	Global Professional Issues in ENGT		POL	22200	Women, Politics, and Public Policy
EDPS	23500	Learning and Motivation		POL	23500	Intl. Rels Among Rich & Poor Nats
EDPS	30000	Student Leadership Development		POL	32600	Black Political Part. in America
EDPS	30100	Peer Counseling Training		POL	32700	Global Green Politics
EDPS	31500	Collab. Ldrshp: Interpersonal Skills		POL	36000	Women and the Law
EDPS	31600	Collab. Ldrshp: Cross-Cult. Settings		POL	41300	The Human Basis of Politics
EDPS	31700	Collab. Leadership: Mentoring		POL	42300	International Environmental Policy
ENGL	41400	Studies in Literature and Culture		POL	42900	Contemporary Political Problems
HDFS	23300	Stress & Human Health		POL	43300	International Organization
HDFS	28000	Diversity in Individual & Family Life		PSY	12000	Elementary Psychology
HDFS	33200	Stress & Coping in Contemp. Fam.		PSY	25000	Psychology of Adjustment
HEBR	38500	Holocaust in Mod. Hebrew Lit.		PSY	25100	Health Psychology
HIST	19500	Historian's Craft: Hist. Rsrch. & Film		PSY	32200	Neurosci. of Motivated Behavior
HIST	30000	Eve of Des: Glob Cris Wrld Org 20th Cen		SOC	10000	Introductory Sociology
HIST	33805	History of Human Rights		SOC	31000	Racial and Ethnic Diversity
HIST	35000	Sci. & Soc. in 20th Century World		SOC	33900	Intro to Soc. of Developing Nations
HIST	36600	Hispanic Heritage of the US		TECH	33000	Technology and the Global Society
HIST	37700	History & Culture of Native America		TLI	11200	Foundations of Org. Leadership
HIST	46900	Black Civil Rights Movement		TLI	31400	Leading Innovation in Orgs.
HIST	47900	Amer. Reprs of Mid. East & N. Africa		WGSS	28200	Intro to LGBT Studies
HIST	49900	History of Sexual Reg. in the US		WGSS	38000	Gender and Multiculturalism
HTM	37000	Sustainable Tourism & Resp. Travel		WGSS	38300	Women and Work
HTM	37200	Global Tourism Geography				

Any foreign language course 20100, 20200, 30100, 30200, 40100, 40200.

Any Purdue-approved Study Abroad (SA) that includes reflective learning assignments.

POLYTECHNIC STATEWIDE- ADDITIONAL GLOBALIZATION SELECTIVE COURSES THAT ARE PROVIDED BY THE HOST LOCATION OR OFFERED SPECIFICALLY AT STATEWIDE LOCATION.

***RICHMOND – OFFERED THROUGH IU EAST**

INTERNATIONAL STUDIES COURSES		*INTL-I220	Global Connections
CULTURAL SYSTEMS COURSES			
*ANTH-E200	Social and Cultural Anthropology	*REL-R160	Religion in America
*ANTH-E310	Cultures of Africa	*REL-R171	Religion, Ethics, and Public Life
*CMCL-C205	Intro to Communication & Culture	*PHIL-P200	Problems of Philosophy
*CMCL-C380	Nonverbal Communication	*PHIL-P371	Philosophy of Religion
*CMCL-C427	Cross-Cultural Communication	*PHIL-P393	Biomedical Ethics
*CMCL-C450	Gender and Communication	*SOC-S217	Social Inequality
*GEOG-G110	Introduction to Human Geography	*SOC-S313	Religion and Society
*REL-R152	Jews, Christians, and Muslims	*SPAN-S284	Women in Hispanic Culture
*REL-R153	Religions of Asia		

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***RICHMOND – OFFERED THROUGH IU EAST CONTINUED:**

CULTURAL PRODUCTIONS COURSES			
*CLAS-C205	Classical Mythology	*FINA-A101	Ancient and Medieval Art
*ENG-L225	Intro. to World Masterpieces	*FINA-A102	Renaissance through Modern Art
*ENG-L382	Fiction of the Non-Western World	*FINA-A342	Twentieth-Century Art
HISTORICAL PERSPECTIVES			
*HIST-A380	The Vietnam War	*HIST-D410	Russian Rev. and the Soviet Regime
*HIST-B244	The Viking Age	*HIST-H108	Perspectives on the World to 1800
*HIST-B306	Europ. Race, Gender, & Identity	*HIST-H109	Perspectives on the World since 1800
*HIST-B356	French Revolution	*HIST-H205	Ancient Civilization
*HIST-B408	European Nationalism & Identity	*HIST-H219	Origins & Hist of the 2nd World War
*HIST-B418	Germany: Nation and Volk	*HIST-H232	The World in the Twentieth Century
*HIST-B436	Making Modern Britain	*HIST-F341	Latin America: Conquest and Empire
*HIST-B444	The Scandinavian Model		

INTERCULTURAL REQUIREMENT:

1. Complete Intercultural Development Inventory (IDI) Pre-test (CGT 10101) and Post-test (CGT 45001)
2. Complete Beliefs, Events, and Values Inventory (BEVI) Pre-test (CGT 10101) and Post-test (CGT 45001)
3. 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