

Richmond Computer Graphics Technology – Game Development & Design (GASD)

Suggested Arrangement of Courses:

Cr		Fall 1st Year	Prerequisite	Cr		Spring 1st Year	Prerequisite
3		SCLA 10100 Transformative Texts, Critical Thinking & Comm I* *ENG-W 131 (IUE)		3		SCLA 10200 Transformative Texts, Critical Thinking & Comm II* *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 22000 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)	SCLA 10100 or *ENG-W 131 (IUE)	3		Communication Selective COM 32000 Small Group Comm or 300/400 *CMCL-C/*SPCH (IUE)	SCLA 10200 or *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		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.

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

Revised 3/24/2019 (effective Fall 2019)

RICHMOND SUPPLEMENTAL CGT INFORMATION

Bold indicates courses offered at Richmond Location.

See Student Affairs Administrator 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.

***ENGL-L 204**

***FINA-A 101, *FINA-A 102**

***FINA-F 100, *FINA-H 100**

***FINA-S 200, *FINA-S 260**

***FREN-F 100, *FREN-F 150,**

***FREN-F 200, *FREN-F 250**

***HIST-H 105, *HIST-H 106**

***MUS-M 174, *MUS-T 101, *MUS-Z 393**

***PHIL-P 100, *PHIL-P 120, *PHIL-P 140**

***SPAN-S 100, *SPAN-S 150,**

***SPAN-S 200, *SPAN-S 250**

***THTR-T 210**

²SCIENCE FOUNDATIONAL SELECTIVE CORE:

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

***ANTH-A 103**

***AST-A 100**

***AST-A 105**

***BIOL-L 101 + *BIOL-L 102**

***BIOL-N 212**

***CHEM-C 105 + *CHEM-C 125,**

***CHEM-C 106 + *CHEM-C 126**

***GEOL-G 111**

***PHYS-P 202**

³TECHNICAL ELECTIVES:

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

CGT 32101

Digital Illustration

TECH 39699

Professional Practice Internship

CGT 39000

Digital Photography

⁴ADVANCED ENGLISH SELECTIVE:

ENGL 20500

Introduction to Creative Writing

ENGL 30400

Advanced Composition

ENGL 41900

Multimedia Writing

ENGL 42000

ENGL 42100

***ENG-W 231**

Business Writing

Technical Writing

⁵STATISTICS SELECTIVE:

IT 34200

Introduction to Statistical Quality

PSY 20100

Introduction to Statistics in Psychology

STAT 22500

Introduction to Probability Models

STAT 30100

***MATH-K 300,**

STAT 35000

Elementary Statistical Methods

***PSY-K 300**

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)**.

TLI 31400

Leading Innovation in Organizations

⁷COMMUNICATION SELECTIVE:

COM 30000 or 40000 Level

COM 32000 Small Group Communication

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

⁸CGT GLOBALIZATION SELECTIVE:

***ANTH-A 104**

***ANTH-E 300**

***ANTH-E 320**

***FREN-F 200**

***FREN-F 250**

***POLS-Y 206**

***POLS-Y 324**

***PSY-P 103**

***SOC-S 100**

***SOC-S 335**

***SPAN-S 200**

***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		HTM	37200	Global Tourism Geography
COM	41200	Theories of Human Interaction		MSL	20100	Individual Leadership Studies
COM	42300	Leadership, Communication & Orgs		OLS	35000	Creativity in Business & Industry
ECET	29000	International Experience		PHIL	11400	Global Moral Issues
ECET	38001	Global Professional Issues in ENGT		PHIL	43500	Philosophy of Mind
EDPS	23500	Learning and Motivation		POL	22200	Women, Politics, and Public Policy
EDPS	30000	Student Leadership Development		POL	23500	Intl. Rels Among Rich & Poor Nats
EDPS	30100	Peer Counseling Training		POL	32600	Black Political Part. in America
EDPS	31500	Collab. Ldrship: Interpersonal Skills		POL	32700	Global Green Politics
EDPS	31600	Collab. Ldrship: Cross-Cult. Settings		POL	36000	Women and the Law
EDPS	31700	Collab. Leadership: Mentoring		POL	41300	The Human Basis of Politics
ENGL	41400	Studies in Literature and Culture		POL	42300	International Environmental Policy
HDFS	23300	Stress & Human Health		POL	42900	Contemporary Political Problems
HDFS	28000	Diversity in Individual & Family Life		POL	43300	International Organization
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

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