Richmond Computer Graphics Technology – Web Programming & Design (WEPD)

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 PreCalculus*	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 Comp Animation **[CGT Selective]**		3		CGT 39000 Digital Photography **[CGT Selective]**	CGT 11800
3		CGT 32101 Digital Illustration **[CGT Selective]**	CGT 11800	3		ECON 21000 Principles of Econ ***ECON-E 103 or *ECON-E 104 (IUE)**	
4		PHYS 22000 Gen Physics* ***PHYS-P 201 (IUE)**	MA 15800	3		**TLI 11200 Foundations of Org Lead [Free Elective]**	
3		Free Elective (Apply excess Physics credit here)		3		Human Cultures: Humanities Core*	
16				**15**			

Cr		Fall 3rd Year	Prerequisite	Cr		Spring 3rd Year	Prerequisite
3		CGT 34000 Dig Lighting & Rendering **[Technical Elective]**	CGT 24100	3		CGT 30800 Prepress Prod & Des **[Technical Elective]**	CGT 11100
3		CGT 35300 Princ. Interact & Dyn Med	CGT 11800	3		TECH 39699 Prof. Practice Internship **[Technical Elective]**	JR Standing
3		Science Foundational Selective Core*		3		CGT 35600 Web Pgm, Dev & Data	CGT 14100 & CNIT 15500
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		Management Selective **TLI 31400 Leading Innov. in Orgs**	TLI 11200	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		1		CGT 45001 Computer Graphics Professional Practice II	CGT 25001 SR Standing
3		CGT 45600 Adv. Web Programming, Development, & Data Integration	CGT 35600	3		MGMT 45500 Leg. Background for Bus I **TLI 45700 Technology Policy & Law** or ***BUS-L 203 (IUE)**	
3		Statistics Selective **STAT 30100**, ***MATH-K 300 (IUE),** or ***PSY-K 300 (IUE)**	***MATH-M 123 (IUE)**	3		CGT Globalization Selective **TECH 33000 Tech & Global Society**	TECH 12000
3		Free Elective		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.
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

RICHMOND SUPPLEMENTAL CGT INFORMATION

Bold indicates courses offered at Richmond Location.
*Indicates IUE courses for Richmond Location only.

See Student Affairs Administrator for course availability.

[1]CGT SELECTIVES:

Animation
CGT 24100	**Intro to Computer Animation**
CGT 34000	**Digital Lighting & Rendering for Computer Animation**
CGT 34100	**Motion for Computer Animation**
CGT 44600	**Post-Production & Special Effects for Computer Animation**

Computer Graphics Technology
CGT 32101	**Digital Illustration**
CGT 39000	**Digital Photography**

Game Development & Design
CGT 24100	**Intro to Computer Animation**
CGT 24500	**Game Development I: Core Skills & Technologies**
CGT 25500	**Game Development II: Design & Psychology**
CGT 25600	**Human Computer Interface Theory & Design**
CGT 34000	**Digital Lighting & Rendering for Computer Animation**
CGT 34500	**Game Development III: Environment Modeling for Games**
CGT 44500	**Game Development IV: Procedural Asset Creation for Games**

[2]HUMAN 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**

[3]SCIENCE FOUNDATIONAL SELECTIVE CORE:

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

*ANTH-A 103	***BIOL-L 101 + *BIOL-L 102**	***CHEM-C 106 + *CHEM-C 126**
*AST-A 100	***BIOL-N 212**	***GEOL-G 111**
*AST-A 105	***CHEM-C 105 + *CHEM-C 125,**	***PHYS-P 202**

[4]TECHNICAL ELECTIVES:

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

CGT 30800	**Prepress Production & Design**	**TECH 39699**	**Professional Practice Internship**
CGT 34000	**Digital Lighting & Rendering**		

[5]ADVANCED ENGLISH SELECTIVE:

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**	

[6]STATISTICS 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

SUPPLEMENTAL CGT INFORMATION

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7MANAGEMENT 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

8COMMUNICATION SELECTIVE:

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

9CGT GLOBALIZATION SELECTIVE:

*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		EDPS	31700	Collab. Leadership: Mentoring
AAS	37300	Issues in African American Studies		ENGL	41400	Studies in Literature and Culture
AGR	20100	Communicating Across Culture		HDFS	23300	Stress & Human Health
ANSC	38100	Leadership for a Diverse Workplace		HDFS	28000	Diversity in Individual & Family Life
ANTH	20300	Bio. Bases of Human Soc. Behavior		HDFS	33200	Stress & Coping in Contemp. Fam.
ANTH	20500	Human Cultural Diversity		HEBR	38500	Holocaust in Mod. Hebrew Lit.
ANTH	21000	Technology and Culture		HIST	19500	Historian's Craft: Hist. Rsrch. & Film
ANTH	21200	Culture, Food and Health		HIST	30000	Eve of Dest: Glob Cris Wrld Org 20th Cen
ANTH	23000	Gender Across Cultures		HIST	33805	History of Human Rights
ANTH	34000	Global Perspectives on Health		HIST	35000	Sci. & Soc. in 20th Century World
ANTH	34100	Culture and Personality		HIST	36600	Hispanic Heritage of the US
ANTH	37900	Native American Cultures		HIST	37700	History & Culture of Native America
ARAB	28000	Arabic Culture		HIST	46900	Black Civil Rights Movement
ASAM	24000	Intro to Asian American Studies		HIST	47900	Amer. Reprs of Mid. East & N. Africa
AT	23300	Ethics and Aviation		HIST	49900	History of Sexual Reg. in the US
CNIT	32000	Policy, Reg, & Globalization in IT		HTM	37000	Sustainable Tourism & Resp. Travel
COM	22400	Comm. in the Global Workplace		HTM	37200	Global Tourism Geography
COM	30300	Intercultural Communication		MSL	20100	Individual Leadership Studies
COM	**32000**	**Small Group Communication**		OLS	35000	Creativity in Business & Industry
COM	37300	Self-Presentation and Social Image		PHIL	11400	Global Moral Issues
COM	38000	Soc. Study of African Amer. English		PHIL	43500	Philosophy of Mind
COM	41200	Theories of Human Interaction		POL	22200	Women, Politics, and Public Policy
COM	42300	Leadership, Communication & Orgs		POL	23500	Intl. Rels Among Rich & Poor Nats
ECET	29000	International Experience		POL	32600	Black Political Part. in America
ECET	38001	Global Professional Issues in ENGT		POL	32700	Global Green Politics
EDPS	23500	Learning and Motivation		POL	36000	Women and the Law
EDPS	30000	Student Leadership Development		POL	41300	The Human Basis of Politics
EDPS	30100	Peer Counseling Training		POL	42300	International Environmental Policy
EDPS	31500	Collab. Ldrship: Interpersonal Skills		POL	42900	Contemporary Political Problems
EDPS	31600	Collab. Ldrship: Cross-Cult. Settings		POL	43300	International Organization

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⁹CGT GLOBALIZATION SELECTIVE CONTINUED:

PSY	25000	Psychology of Adjustment		TECH	33000	**Technology and the Global Society**
PSY	25100	Health Psychology		TLI	11200	**Foundations of Org. Leadership**
PSY	32200	Neurosci. of Motivated Behavior		TLI	31400	**Leading Innovation in Orgs.**
SOC	10000	Introductory Sociology		WGSS	28200	Intro to LGBT Studies
SOC	31000	Racial and Ethnic Diversity		WGSS	38000	Gender and Multiculturalism
SOC	33900	Intro to Soc. of Developing Nations		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			HISTORICAL PERSPECTIVES	
*INTL-I220	Global Connections		***HIST-A380**	The Vietnam War
CULTURAL SYSTEMS COURSES			***HIST-B244**	The Viking Age
*ANTH-E200	Social and Cultural Anthropology		***HIST-B306**	European Race, Gender, and Identity
*ANTH-E310	Cultures of Africa		***HIST-B356**	French Revolution
*CMCL-C205	Intro to Communication & Culture		***HIST-B408**	European Nationalism and Identity
*CMCL-C380	Nonverbal Communication		***HIST-B418**	Germany: Nation and Volk
*CMCL-C427	Cross-Cultural Communication		***HIST-B436**	Making Modern Britain
*CMCL-C450	Gender and Communication		***HIST-B444**	The Scandinavian Model
*GEOG-G110	Introduction to Human Geography		***HIST-D410**	Russian Rev. and the Soviet Regime
*REL-R152	Jews, Christians, and Muslims		***HIST-H108**	Perspectives on the World to 1800
*REL-R153	Religions of Asia		***HIST-H109**	Perspectives on the World since 1800
*REL-R160	Religion in America		***HIST-H205**	Ancient Civilization
*REL-R171	Religion, Ethics, and Public Life		***HIST-H219**	Origins & Hist of the 2nd World War
*PHIL-P200	Problems of Philosophy		***HIST-H232**	The World in the Twentieth Century
*PHIL-P371	Philosophy of Religion		***HIST-F341**	Latin America: Conquest and Empire
*PHIL-P393	Biomedical Ethics			
*SOC-S217	Social Inequality			
*SOC-S313	Religion and Society			
*SPAN-S284	Women in Hispanic Culture			
CULTURAL PRODUCTIONS COURSES				
*CLAS-C205	Classical Mythology			
*ENG-L225	Intro. to World Masterpieces			
*ENG-L382	Fiction of the Non-Western World			
*FINA-A101	Ancient and Medieval Art			
*FINA-A102	Renaissance through Modern Art			
*FINA-A342	Twentieth-Century Art			

SUPPLEMENTAL CGT INFORMATION

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