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*		3		SCLA 10200 Transformative Texts, Critical Thinking & Comm II*	
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 11800 Fund. of Imaging Tech	
3		CGT 11600 Geo Mdl Visual & Comm		3		CGT 14100 Internet Fdtn Dev & Tech	
3		TECH 12000 Design Thinking*		3		PSY 12000 Elem. Psychology*	
14				15			

Cr		Fall 2nd Year	Prerequisite	Cr		Spring 2nd Year	Prerequisite
3		CGT 24100 Intro to Comp Animation [1CGT Selective]		3		CGT 21500 CG Programming I	CGT 14100 & C: MA 16010 w/C-
3		CGT 30800 Prepress Prod & Des [10Technical Elective]	CGT 11800	3		CGT 25600 Human Computer Interface Theory & Design	
3		CGT 32101 Digital Illustration [1CGT Selective]	CGT 11800	3		CGT 34000 Dig Lighting & Rendering [10Technical Elective]	CGT 24100
4		PHYS 22000 General Physics I*		3		ECON 21000 Principles of Econ	
3		[2Human Cultures: Humanities Core*]		3		TLI 11200 Foundations of Org Lead [Free Elective]	
16				15			

Cr		Fall 3rd Year	Prerequisite	Cr		Spring 3rd Year	Prerequisite
3		CGT 35300 Prin. Interact & Dyn Med	CGT 14100	3		CGT 35600 Web Pgm, Dev & Data	CGT 14100 & CGT 21500
3		CGT 44600 Post Prod & Special Effects for Computer Animation [Free Elective]	CGT 24100	3		CGT 39000 Digital Photography [1CGT Selective]	
3		[4Science Selective*]		3		TECH 39699 Prof. Practice Internship [10Technical Elective]	
3		ENGL 42100 Technical Writing [5Advanced English Selective]	SCLA 10100	3		COM 32000 Small Group Comm [8Communication Selective]	SCLA 10200
3		TLI 31400 Leading Innov. in Orgs [7Management Selective]		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	CGT 10101	1		CGT 45001 Computer Graphics Professional Practice II	CGT 25001 SR Standing
3		CGT 45600 Adv. Web Programming, Development, & Data Integration	CGT 35600	3		TECH 33000 Tech & Global Society [9CGT Globalization Selective]	TECH 12000
3		MGMT 45500 Leg. Background Bus **TLI 45700 Technology Policy & Law**		3		STAT 30100 Elem. Statistical Methods [6Statistics Selective]	
3		Free Elective		3		Free Elective	
3		[3Humanities Elective]		3		[3Humanities Elective]	
15				15			

*Satisfies a University Core Requirement

**Intercultural Requirement, Humanities Requirement, Professional 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.
◆Cornerstone Certificate is required with this major.

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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.   **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 44200   **Production 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.

[3]HUMANITIES ELECTIVE:
Any course in the Purdue College of Liberal Arts.

[4]SCIENCE FOUNDATIONAL SELECTIVE CORE:
See http://www.purdue.edu/provost/initiatives/curriculum/course.html for approved Science Core Courses.

CHM 11100 General Chemistry   **PHYS 22100 General Physics II**

[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		

[6]STATISTICS SELECTIVE:

IET 31600	**Statistical Quality Control**	**STAT 30100**	**Elementary Statistical Methods**
PSY 20100	Introduction to Statistics in Psychology	STAT 35000	Introduction to Statistics
STAT 22500	Introduction to Probability Models		

[7]MANAGEMENT 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**

[8]COMMUNICATION SELECTIVE:

COM 30000 or 40000 Level   **COM 32000 Small Group Communication**

[9]CGT GLOBALIZATION SELECTIVE:

AAS	27100	Intro to African American Studies		ANTH	21200	Culture, Food and Health
AAS	37300	Issues in African American Studies		ANTH	23000	Gender Across Cultures
AGR	20100	Communicating Across Culture		ANTH	34000	Global Perspectives on Health
ANSC	38100	Leadership for a Diverse Workplace		ANTH	34100	Culture and Personality
ANTH	20300	Bio. Bases of Human Soc. Behavior		ANTH	37900	Native American Cultures
ANTH	20500	Human Cultural Diversity		ARAB	28000	Arabic Culture
ANTH	21000	Technology and Culture		ASAM	24000	Intro to Asian American Studies

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Richmond SUPPLEMENTAL CGT INFORMATION

[9]**CGT GLOBALIZATION SELECTIVE CONTINUED…**

AT	23300	Ethics and Aviation		HIST	47900	Amer. Reprs of Mid. East & N. Africa
CNIT	32000	Policy, Reg, & Globalization in IT		HIST	49900	History of Sexual Reg. in the US
COM	**22400**	**Comm. in the Global Workplace**		HTM	37000	Sustainable Tourism & Resp. Travel
COM	30300	Intercultural Communication		HTM	37200	Global Tourism Geography
COM	**32000**	**Small Group Communication**		MSL	20100	Individual Leadership Studies
COM	37300	Self-Presentation and Social Image		OLS	35000	Creativity in Business & Industry
COM	38000	Soc. Study of African Amer. English		PHIL	11400	Global Moral Issues
COM	41200	Theories of Human Interaction		PHIL	43500	Philosophy of Mind
COM	42300	Leadership, Communication & Orgs		POL	22200	Women, Politics, and Public Policy
ECET	29000	International Experience		POL	23500	Intl. Rels Among Rich & Poor Nats
ECET	**38001**	**Global Professional Issues in ENGT**		POL	32600	Black Political Part. in America
EDPS	23500	Learning and Motivation		POL	32700	Global Green Politics
EDPS	30000	Student Leadership Development		POL	36000	Women and the Law
EDPS	30100	Peer Counseling Training		POL	41300	The Human Basis of Politics
EDPS	31500	Collab. Ldrship: Interpersonal Skills		POL	42300	International Environmental Policy
EDPS	31600	Collab. Ldrship: Cross-Cult. Settings		POL	42900	Contemporary Political Problems
EDPS	31700	Collab. Leadership: Mentoring		POL	43300	International Organization
ENGL	41400	Studies in Literature and Culture		PSY	25000	Psychology of Adjustment
HDFS	23300	Stress & Human Health		PSY	25100	Health Psychology
HDFS	28000	Diversity in Individual & Family Life		PSY	32200	Neurosci. of Motivated Behavior
HDFS	33200	Stress & Coping in Contemp. Fam.		**SOC**	**10000**	**Introductory Sociology**
HEBR	38500	Holocaust in Mod. Hebrew Lit.		SOC	31000	Racial and Ethnic Diversity
HIST	19500	Historian's Craft: Hist. Rsrch. & Film		SOC	33900	Intro to Soc. of Developing Nations
HIST	30000	Eve of Dest: Glob Cris Wrld Org 20th Cen		**TECH**	**33000**	**Technology and the Global Society**
HIST	33805	History of Human Rights		**TLI**	**11200**	**Foundations of Org. Leadership**
HIST	35000	Sci. & Soc. in 20th Century World		**TLI**	**31400**	**Leading Innovation in Orgs.**
HIST	36600	Hispanic Heritage of the US		WGSS	28200	Intro to LGBT Studies
HIST	37700	Hist & Culture of Native America		WGSS	38000	Gender and Multiculturalism
HIST	46900	Black Civil Rights Movement		WGSS	38300	Women and Work
Any foreign language course 20100, 20200, 30100, 30200, 40100, 40200.						

[10]**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**

**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

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Richmond SUPPLEMENTAL CGT INFORMATION

**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

◆CORNERSTONE CERTIFICATE:
See http://catalog.purdue.edu/preview_program.php?catoid=8&poid=10126 for approved Cornerstone Certificate courses.