Richmond Computer Graphics Technology – Animation (ANIM)

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		3	CGT 21500 CG Programming I	CGT 14100 and C: MA 16010 w/C-
3	CGT 30800 Prepress Prod & Des [¹⁰Technical Elective]	CGT 11800	3	CGT 25600 Human Computer Interface Theory & Design [¹CGT Selective]	
3	CGT 32101 Digital Illustration [Free Elective]	CGT 11800	3	CGT 34000 Digital Light & Rendering	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 34100 Motion for Computer Animation	CGT 34000	3	CGT 35600 Web Prog, Dev & Data Int [¹CGT Selective]	CGT 14100 & CGT 21500
3	CGT 44600 Post Prod & Special Effects for Computer Animation [Free Elective]	CGT 24100	3	CGT 39000 Digital Photography [Free Elective]	
3	ENGL 42100 Technical Writing [⁵Advanced English Selective]	SCLA 10100	3	CGT 44200 Production for Computer Animation	CGT 34100
3	TLI 31400 Leading Innov. in Orgs [⁷Management Selective]		3	TECH 39699 Prof. Practice Internship [¹⁰Technical Elective]	
3	[⁴Science Selective*]		3	COM 32000 Small Group Comm [⁸Communication Selective]	SCLA 10200
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 [¹CGT Selective 300+ Level]	CGT 35600	3	STAT 30100 Elem. Statistical Methods [⁶Statistics Selective]	
3	MGMT 45500 Leg. Background Bus I **TLI 45700 Technology Policy & Law**		3	TECH 33000 Tech & Global Society [⁹CGT Globalization Selective]	TECH 12000
3	[¹⁰Technical 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.

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Richmond SUPPLEMENTAL CGT INFORMATION

Bold indicates courses offered at Richmond Location.   **See Student Affairs Administrator for course availability.**

[1]CGT SELECTIVES:

Animation

CGT 44600   Post-Production & Special Effects for Computer Animation

Computer Graphics Technology

CGT 25600   Human Computer Interface Theory & Design
CGT 32101   Digital Illustration
CGT 35300   Principles of Interactive & Dynamic Media
CGT 35600   Web Programming, Development, & Data Integration
CGT 39000   Digital Photography
CGT 45600   Advanced Web Programming, Development, & Data Integration

Game Development & Design

CGT 24500   Game Development I: Core Skills & Technologies
CGT 25500   Game Development II: Design & Psychology
CGT 25600   Human Computer Interface Theory & Design
CGT 34500   Game Development III: Environment Modeling for Games
CGT 44500   Game Development IV: Procedural Asset Creation for Games

Web Programming & Design

CGT 25600   Human Computer Interface Theory & Design
CGT 35300   Principles of Interactive & Dynamic Media
CGT 35600   Web Programming, Development, & Data Integration
CGT 45600   Advanced Web Programming, Development, & Data Integration

[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 within 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

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Richmond SUPPLEMENTAL CGT INFORMATION

[9]**CGT GLOBALIZATION SELECTIVE:**

AAS	27100	Intro to African American Studies	HIST	19500	Historian's Craft: Hist. Rsrch. & Film
AAS	37300	Issues in African American Studies	HIST	30000	Eve of Dest: Glob Cris Wrld Org 20th Cen
AGR	20100	Communicating Across Culture	HIST	33805	History of Human Rights
ANSC	38100	Leadership for a Diverse Workplace	HIST	35000	Sci. & Soc. in 20th Century World
ANTH	20300	Bio. Bases of Human Soc. Behavior	HIST	36600	Hispanic Heritage of the US
ANTH	20500	Human Cultural Diversity	HIST	37700	History & Culture of Native America
ANTH	21000	Technology and Culture	HIST	46900	Black Civil Rights Movement
ANTH	21200	Culture, Food and Health	HIST	47900	Amer. Reprs of Mid. East & N. Africa
ANTH	23000	Gender Across Cultures	HIST	49900	History of Sexual Reg. in the US
ANTH	34000	Global Perspectives on Health	HTM	37000	Sustainable Tourism & Resp. Travel
ANTH	34100	Culture and Personality	HTM	37200	Global Tourism Geography
ANTH	37900	Native American Cultures	MSL	20100	Individual Leadership Studies
ARAB	28000	Arabic Culture	OLS	35000	Creativity in Business & Industry
ASAM	24000	Intro to Asian American Studies	PHIL	11400	Global Moral Issues
AT	23300	Ethics and Aviation	PHIL	43500	Philosophy of Mind
CNIT	32000	Policy, Reg, & Globalization in IT	POL	22200	Women, Politics, and Public Policy
COM	**22400**	**Comm. in the Global Workplace**	POL	23500	Intl. Rels Among Rich & Poor Nats
COM	30300	Intercultural Communication	POL	32600	Black Political Part. in America
COM	**32000**	**Small Group Communication**	POL	32700	Global Green Politics
COM	37300	Self-Presentation and Social Image	POL	36000	Women and the Law
COM	38000	Soc. Study of African Amer. English	POL	41300	The Human Basis of Politics
COM	41200	Theories of Human Interaction	POL	42300	International Environmental Policy
COM	42300	Leadership, Communication & Orgs	POL	42900	Contemporary Political Problems
ECET	29000	International Experience	POL	43300	International Organization
ECET	**38001**	**Global Professional Issues in ENGT**	PSY	25000	Psychology of Adjustment
EDPS	23500	Learning and Motivation	PSY	25100	Health Psychology
EDPS	30000	Student Leadership Development	PSY	32200	Neurosci. of Motivated Behavior
EDPS	30100	Peer Counseling Training	**SOC**	**10000**	**Introductory Sociology**
EDPS	31500	Collab. Ldrship: Interpersonal Skills	SOC	31000	Racial and Ethnic Diversity
EDPS	31600	Collab. Ldrship: Cross-Cult. Settings	SOC	33900	Intro to Soc. of Developing Nations
EDPS	31700	Collab. Leadership: Mentoring	**TECH**	**33000**	**Technology and the Global Society**
ENGL	41400	Studies in Literature and Culture	**TLI**	**11200**	**Foundations of Org. Leadership**
HDFS	23300	Stress & Human Health	**TLI**	**31400**	**Leading Innovation in Orgs.**
HDFS	28000	Diversity in Individual & Family Life	WGSS	28200	Intro to LGBT Studies
HDFS	33200	Stress & Coping in Contemp. Fam.	WGSS	38000	Gender and Multiculturalism
HEBR	38500	Holocaust in Mod. Hebrew Lit.	WGSS	38300	Women and Work
Any foreign language course 20100, 20200, 30100, 30200, 40100, 40200.						

[10]**TECHNICAL ELECTIVE:**
Any Course within the **Purdue Polytechnic Institute**, Engineering, Management, or Science.

CGT 30800   **Prepress Production & Design**   **TECH 39699**   **Professional Practice Internship**

Richmond SUPPLEMENTAL CGT INFORMATION

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**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

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