

Departmental/Program Major Courses (41 credits)

"C-" or better required in all major courses

Required Major Courses (32 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
- _____ (3) CGT 21500 – CG Programming I (**CNIT 15500**)
- _____ (1) CGT 25001 – Professional Practices I
- _____ (3) CGT 25600 – Human Computer Interface Theory & Design
- _____ (3) CGT 35300 – Principles of Interactive & Dynamic Media
- _____ (3) CGT 35600 – Web Programming, Development & Data Integration
- _____ (2) CGT 41101 – Contemporary Problems in Applied CGT I
- _____ (2) CGT 41201 – Contemporary Problems in Applied CGT II
- _____ (1) CGT 45001 – Professional Practices II
- _____ (3) CGT 45600 – Advanced Web Programming, Development & Data Integration

Major Selectives - Select 3 of the following courses (9 credits)

<http://www.tech.purdue.edu/CGT/academics/coursepages.cfm>

- _____ (3) ¹CGT Selective – (**CGT 24100**)
- _____ (3) ¹CGT Selective – (**CGT 32101**)
- _____ (3) ¹CGT Selective – (**CGT 39000**)

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) ²Human Cultures (*satisfies Humanities for core*)
- _____ (6) Humanities Electives
- _____ (3) ³Science Selective (*satisfies Science Selective for core*)
- _____ (9) ⁴Technical Electives (**CGT 30800, CGT 34000, and TECH 39699**)
- _____ (3) ⁵Advanced English Selective
- _____ (3) ⁶Statistics Selective
- _____ (3) ⁷Management Elective
- _____ (3) ⁸Communication Selective
- _____ (3) ⁹CGT Global Selective

Electives (15 credits)

- _____ (3) Free Elective _____
- _____ (3) Free Elective _____ (3) Free Elective _____ (3) Free Elective _____ (3) Free Elective (**TLI 11200**)

University Core Requirements

Human Cultures Humanities	<input type="checkbox"/>	Science, Tech & Society Selective	<input type="checkbox"/>	TECH 12000
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	Written Communication	<input type="checkbox"/>	ENGL 10600 or 10800
Information Literacy	<input type="checkbox"/>	Oral Communication	<input type="checkbox"/>	(*ENG-W 131)
Science Selective	<input type="checkbox"/>	Quantitative Reasoning	<input type="checkbox"/>	COM 11400
Science Selective	<input type="checkbox"/>			(*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 – Web Programming & Design (WEPD)

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 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 21800 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	Science Foundational Selective Core*		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	CGT 35300 Princ. Interact & Dyn Med or CGT 35600 Web Pgm, Dev & Data	CGT 11800 CGT 14100 & CNIT 15500
3	Management Selective TLI 31400 Leading Innov. in Orgs	TLI 11200	3	Communication Selective COM 32000 Small Group Comm or 300/400 *CMCL-C/*SPCH (IUE)	*SPCH-S 121 (IUE)
3	Humanities Elective		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	SR Standing	1	CGT 45001 Computer Graphics Professional Practice II	CGT 25001 SR Standing
3	CGT 45600 Adv. Web Programming, Development, & Data Integration	CGT 35600	3	CGT 35300 Princ. Interact & Dyn Med or CGT 35600 Web Pgm, Dev & Data	CGT 11800 CGT 14100 & CNIT 15500
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	MGMT 45500 Leg. Background for Bus I TLI 45700 Technology Policy & Law or *BUS-L 203 (IUE)	
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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SUPPLEMENTAL CGT INFORMATION

Bold indicates courses offered at Richmond Location.

See Student Services Coordinator for course availability.

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

¹CGT 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

²HUMAN CULTURES: HUMANITIES CORE:

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

*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	

³SCIENCE FOUNDATIONAL SELECTIVE CORE:

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

*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

⁴TECHNICAL 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		

⁵ADVANCED 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	

⁶STATISTICS 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

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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 30000 or 40000 Level

COM 32000 Small Group Communication

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

⁹CGT GLOBALIZATION SELECTIVE:

***ANTH-A 104**

***FREN-F 200**

***POL-S-Y 324**

***SOC-S 335**

***ANTH-E 300**

***FREN-F 250**

***PSY-P 103**

***SPAN-S 200**

***ANTH-E 320**

***POL-S-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	12000	Elementary Psychology		TECH	33000	Technology and the Global Society
PSY	25000	Psychology of Adjustment		TLI	11200	Foundations of Org. Leadership
PSY	25100	Health Psychology		TLI	31400	Leading Innovation in Orgs.
PSY	32200	Neurosci. of Motivated Behavior		WGSS	28200	Intro to LGBT Studies
SOC	10000	Introductory Sociology		WGSS	38000	Gender and Multiculturalism
SOC	31000	Racial and Ethnic Diversity		WGSS	38300	Women and Work
SOC	33900	Intro to Soc. of Developing Nations				

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		

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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