

**Departmental/Program Major Courses (41 credits)**

**Required Major Courses (17 credits)**

- \_\_\_\_\_ (2) CGT 10101 – Foundations of Computer Graphics Technology
- \_\_\_\_\_ (3) CGT 11800 – Fundamentals of Imaging Technology
- \_\_\_\_\_ (3) CGT 14100 – Internet Foundations, Development & Technologies
- \_\_\_\_\_ (3) CGT 21500 – CG Programming I (**\*CNIT 17500 Visual Programming**)
- \_\_\_\_\_ (1) CGT 25001 – Computer Graphics Professional Practices I
- \_\_\_\_\_ (2) CGT 41101 – Contemporary Problems in Applied CGT I
- \_\_\_\_\_ (2) CGT 41201 – Contemporary Problems in Applied CGT II
- \_\_\_\_\_ (1) CGT 45001 – Computer Graphics Professional Practices II

**Major Selectives (24 credits)**

- \_\_\_\_\_ (3) <sup>1</sup>CGT Selective – 100 Level Selective (CGT 11100)
- \_\_\_\_\_ (12) <sup>1</sup>CGT Selectives – (CGT 11200, 11600, 25600, and 39000)
- \_\_\_\_\_ (6) <sup>1</sup>CGT Selectives – 300 or 400 Level Selective (CGT 32101, and CGT 3530 or 35600)
- \_\_\_\_\_ (3) <sup>1</sup>CGT Selective – 400 Level Selective (CGT 45600)

**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 – Pre-Calculus *(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 (**\*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) <sup>2</sup>Human Cultures *(satisfies Humanities for Core)*
- \_\_\_\_\_ (6) Humanities Electives
- \_\_\_\_\_ (3) <sup>3</sup>Science Selective *(satisfies Science Selective for Core)*
- \_\_\_\_\_ (3) <sup>4</sup>Advanced English Selective
- \_\_\_\_\_ (3) <sup>5</sup>Statistics Selective
- \_\_\_\_\_ (3) <sup>6</sup>Communication Selective
- \_\_\_\_\_ (3) <sup>7</sup>Management Selective
- \_\_\_\_\_ (3) <sup>8</sup>CGT Global Selective
- \_\_\_\_\_ (9) <sup>9</sup>Technical Electives

**Electives (15 credits)**

- \_\_\_\_\_ (3) Free Elective      \_\_\_\_\_ (3) Free Elective      \_\_\_\_\_ (3) Free Elective      \_\_\_\_\_ (3) Free Elective
- \_\_\_\_\_ (3) Free Elective

**University Core Requirements**

|  |                          |  |   |                          |   |
|--|--------------------------|--|---|--------------------------|---|
| Human Cultures Humanities                | <input type="checkbox"/> |  | Science, Technology & Society Selective | <input type="checkbox"/> | <b>TECH 12000</b>                                 |
| Human Cultures Behavioral/Social Science | <input type="checkbox"/> | <b>ECON 21000</b><br><b>(*ECON-E 103 or 104)</b> | Written Communication                   | <input type="checkbox"/> | <b>ENGL 10600 or 10800</b><br><b>(*ENG-W 131)</b> |
| Information Literacy                     | <input type="checkbox"/> | <b>TECH 12000</b>                                | Oral Communication                      | <input type="checkbox"/> | <b>COM 11400</b><br><b>(*SPCH-S 121)</b>          |
| Science Selective                        | <input type="checkbox"/> | <b>PHYS 21800</b><br><b>(*PHYS-P 201)</b>        | Quantitative Reasoning                  | <input type="checkbox"/> | <b>MA 15800</b>                                   |
| Science Selective                        | <input type="checkbox"/> |  |   |                          |   |

**\*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

### Suggested Arrangement of Courses:

| Cr        | Fall 1st Year  | Prerequisite | Cr        | Spring 1st Year  | Prerequisite |
|-----------|--|--------------|-----------|--|--------------|
| 3         | English Selective*<br><b>*ENG-W 131 (IUE)</b>                      | Placement    | 3         | COM 11400 Speech Communication*<br><b>*SPCH-S 121 (IUE)</b>    |              |
| 3         | MA 15800 Pre-Calculus*   | Placement    | 3         | MA 16010 Applied Calculus I*                                   | MA 15800     |
| 2         | CGT 10101 Foundations of CGT                                       |              | 3         | CGT 14100 Internet Fdtn Dev & Tech                             |              |
| 3         | CGT 11100 Design for Vis & Com<br><b>[CGT 100 Level Selective]</b> |              | 3         | CGT 11600 Geo Modeling for Vis & Com<br><b>[CGT Selective]</b> |              |
| 3         | TECH 12000 Design Thinking*  |              | 3         | PSY 12000 Elem. Psychology*<br><b>*PSY-P 103 (IUE)</b>         |              |
| <b>14</b> |  |              | <b>15</b> |  |              |

| Cr        | Fall 2nd Year   | Prerequisite | Cr        | Spring 2nd Year   | Prerequisite         |
|-----------|---|--------------|-----------|---|----------------------|
| 3         | CGT 21500 CG Programming I<br><b>*CNIT 17500 Visual Programming</b> |              | 3         | CGT 25600 Human Computer Interface Theory & Design<br><b>[CGT Selective]</b>    | CGT 11100, CGT 11800 |
| 3         | CGT 11200 Sketching for Vis & Com<br><b>[CGT Selective]</b>         |              | 3         | CGT 39000 Digital Photography<br><b>[CGT Selective]</b>                         | CGT 11800            |
| 3         | CGT 11800 Fundamentals of Imaging Technology                        |              | 3         | ECON 21000 Principles of Econ *<br><b>*ECON-E 103 or *ECON-E 104 (IUE)</b>      |                      |
| 3         | CGT 24100 Intro to Comp Animation<br><b>[Technical Elective]</b>    | CGT 11600    | 3         | MGMT 45500 Leg Background for Bus I<br><b>*BUS-L 203 Commercial Law I (IUE)</b> |                      |
| 4         | PHYS 21800 Gen Physics*<br><b>*PHYS-P 201, 5 cr (IUE)</b>           | MA 15800     | 3         | Human Cultures Humanities Core*   |                      |
| <b>16</b> |   |              | <b>15</b> |   |                      |

| Cr        | Fall 3rd Year  | Prerequisite             | Cr        | Spring 3rd Year   | Prerequisite                      |
|-----------|--|--------------------------|-----------|---|-----------------------------------|
| 3         | CGT 32101 Digital Illustration<br><b>[CGT Selective 300 or 400 Level]</b>                                  | CGT 11800                | 3         | CGT 30800 Prepress Prod & Des or CGT 11000 Technical Graphics<br><b>[Technical Elective]</b>                        | CGT 11100                         |
| 3         | Advanced English Selective<br>ENGL 42100 Technical Writing or<br><b>*ENG-W 231 Prof Writ Skills (IUE)</b>  | <b>*ENG-W 131 (IUE)</b>  | 3         | CGT 30900 Internship in CGT or CGT 22600 Intro to Constr-Based Model<br><b>[Technical Elective]</b>                 | JR Standing<br>CGT 11000 or 11600 |
| 3         | Science Foundational Selective Core*   |                          | 3         | CGT 35300 Princ of Int & Dyn Media or CGT 35600 Web Prog, Dev & Data Int<br><b>[CGT Selective 300 or 400 Level]</b> | CGT 21600<br>CNIT 17500           |
| 3         | Statistics Selective<br><b>*MATH-K 300 (IUE) or *PSY-K 300 (IUE)</b>                                       | <b>*MATH-M 123 (IUE)</b> | 3         | CGT Globalization Selective<br>TECH 33000 Tech & Global Society   | TECH 12000                        |
| 3         | TLI 11200 Foundations of Organizational Leadership<br><b>[Free Elective &amp; TECH 320000 Alternative]</b> |                          | 3         | Free Elective<br>[300 Level]  |                                   |
| <b>15</b> |  |                          | <b>15</b> |   |                                   |

| 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<br>SR Standing |
| 1         | CGT 25001 Computer Graphics Professional Practices I  | SR Standing  | 1         | CGT 45001 Computer Graphics Professional Practices II  | CGT 25001<br>SR Standing |
| 3         | CGT 45600 Adv. Web Programming, Development, & Data Integration<br><b>[CGT Selective 400 Level]</b> | CGT 35600    | 3         | Communication Selective<br>COM 32000 Small Group Comm or<br><b>300/400 *CMCL/*SPCH (IUE)</b> | <b>*SPCH-S 121 (IUE)</b> |
| 3         | Humanities Elective   |              | 3         | Humanities Elective  |                          |
| 3         | Free Elective   |              | 3         | Management Selective<br>TLI 31400 Leading Innovation in Orgs.                                | TLI 11200                |
| 3         | Free Elective   |              | 3         | Free Elective  |                          |
| <b>15</b> |   |              | <b>15</b> |  |                          |

\*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.**

**32 credits of upper division courses (30000 level or higher) must be taken at the Purdue location conferring the 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.

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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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## SUPPLEMENTAL CGT INFORMATION

**Bold indicates courses offered at Richmond Location.**

See Student Services Coordinator for course availability.

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

### <sup>1</sup>CGT SELECTIVES:

#### Computer Graphics Technology

CGT 11100 Design for Visualization and Communication  
CGT 11200 Sketching for Visualization and Communication  
CGT 11600 Geometric Modeling for Visualization and Communication  
CGT 25600 Human Computer Interface Theory & Design (CGT 111 & CGT 118)  
CGT 32101 Digital Illustration (CGT 118)  
CGT 35300 Principles of Interactive & Dynamic Media (CGT 216)  
CGT 35600 Web Programming, Development, & Data Integration (CNIT 175)  
CGT 39000 Digital Photography (CGT 118)  
CGT 45600 Advanced Web Programming, Development, & Data Integration (CGT 356)

#### Computer Animation

CGT 25600 Human Computer Interface Theory & Design (CGT 111 & CGT 118)  
CGT 32101 Digital Illustration (CGT 118)  
CGT 39000 Digital Photography (CGT 118)  
CGT 44600 Post-Production & Special Effects for Computer Animation (CGT 341 & Senior Standing)

#### Web Programming & Design

CGT 24100 Intro to Computer Animation (CGT 116)  
CGT 32101 Digital Illustration (CGT 118)  
CGT 39000 Digital Photography (CGT 118)

#### Game Studies

CGT 32101 Digital Illustration (CGT 118)  
CGT 39000 Digital Photography (CGT 118)

### <sup>2</sup>HUMAN CULTURES: HUMANITIES CORE:

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

|                                 |   |  |
|---------------------------------|---|--|
| <b>*ENGL-L 204</b>              | <b>*FREN-F 100, *FREN-F 150,</b>          | <b>*PHIL-P 100, *PHIL-P 120, *PHIL-P 140</b> |
| <b>*FINA-A 101, FINA-A 102</b>  | <b>*FREN-F 200, *FREN-F 250</b>           | <b>*SPAN-S 100, *SPAN-S 150,</b>             |
| <b>*FINA-F 100, FINA-H 100</b>  | <b>*HIST-H 105, *HIST-H 106</b>           | <b>*SPAN-S 200, *SPAN-S 250</b>              |
| <b>*FINA-S 200, *FINA-S 260</b> | <b>*MUS-M 174, *MUS-T 101, *MUS-Z 393</b> | <b>*THTR-T 210</b>                           |

### <sup>3</sup>SCIENCE FOUNDATIONAL SELECTIVE CORE:

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

|                                   |                                  |
|-----------------------------------|----------------------------------|
| <b>*ANTH-A 103</b>                | <b>*CHEM-C 106 + *CHEM-C 126</b> |
| <b>*BIOL-L 101 + *BIOL-L 102</b>  | <b>*GEOL-G 111</b>               |
| <b>*CHEM-C 105 + *CHEM-C 125,</b> | <b>*PHYS-P 202</b>               |

### <sup>4</sup>ADVANCED ENGLISH SELECTIVE

|   |                                     |
|---|-------------------------------------|
| ENGL 20500 Introduction to Creative Writing | ENGL 42000 Business Writing         |
| ENGL 30400 Advanced Composition             | <b>ENGL 42100 Technical Writing</b> |
| ENGL 41900 Multimedia Writing               | <b>*ENG-W 231</b>                   |

### <sup>5</sup>STATISTICS SELECTIVE:

|   |   |
|---|---|
| STAT 22500 Introduction to Probability Models | PSY 20100 Introduction to Statistics in Psychology  |
| STAT 30100 Elementary Statistical Methods     | <b>*PSY-K 300</b>                                   |
| <b>*MATH-K 300</b>                            | <b>IT 34200 Introduction to Statistical Quality</b> |

### <sup>6</sup>COMMUNICATION SELECTIVE:

|   |  |
|---|--|
| COM 30000 or 40000 level                                | <b>COM 32000 Small Group Communication</b> |
| <b>*300- or 400-level courses in *SPCH-S or *CMCL-C</b> |  |

## SUPPLEMENTAL CGT INFORMATION

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### **<sup>7</sup>MANAGEMENT SELECTIVE:**

Any course in Organizational Leadership & Supervision (OLS), Technology Leadership & Innovation (TLI), Management (MGMT), Economics (ECON), Entrepreneurship (ENTR), or Organizational Behavior & Human Resources (OBHR)

### **TLI 31400 Leading Innovation in Organizations**

### **<sup>8</sup>CGT GLOBALIZATION SELECTIVE:**

AD 25500 Art Appreciation  
AD 45400 Modern Architecture  
AGEC 25000 Econ. Geography of World Food  
ANTH 10000 Introduction to Anthropology  
ANTH 20500 Human Cultural Diversity  
ANTH 21200 Culture, Food, and Health  
ANTH 23000 Gender Across Culture  
ANTH 31200 The Archaeology of Ancient Egypt  
ANTH 32700 Environment and Culture  
ANTH 33600 Human Variation  
ANTH 38000 Using Anthropology in the Word  
ARAB 23000 Arabic Literature in Translation  
ASAM 24000 Intro to Asian American Studies  
ASAM 34000 Contemp. Issues in Asian America  
CHNS 28000 Topics in Chinese Civiliz. & Culture  
CLCS 18100 Classical World Civilizations  
CLCS 23100 Survey of Latin Literature  
CLCS 28000 Topics in Classic Civilizations  
CLCS 38500 Sci, Med, and Magic in Ancient West  
CMPL 23000 Intro to Comparative Literature  
CMPL 26600 World Lit to 1700 A D  
CMPL 26700 World Lit from 1700 to now  
COM 22400 Com in the Global Workplace  
COM 30300 Intercultural Communication  
EAPS 37500 Fossil Fuels, Energy, and Society  
EEE 35500 Eng Environmental Sustainability  
ENGL 23000 Great Narrative Works  
ENGL 24000 British Lit Through 18th Century  
ENGL 24100 Brit Lit From Romantic. to Modern  
ENGL 26600 World Literature to 1700 A D  
ENGL 26700 World Literature 1700 to now  
ENGL 34100 Topics in Sci, Lit, and Culture  
FNR 10300 Intro to Environm. Conservation  
HDFS 28000 Diversity in Individ. & Family Life  
HEBR 28000 Modern Israel: Cinema, Lit, ect.  
HEBR 28400 Ancient Near E Hist and Culture  
HIST 10300 Intro to the Medieval World  
HIST 10400 Intro to the Modern World  
HIST 10500 Global History  
HIST 20400 East Asia in the Modern World  
HIST 24100 East Asia in the Modern World

HIST 24300 South Asian History and Civilization  
HIST 24500 Middle East History and Culture  
HIST 25000 US Relations, Mid. East & N. Africa  
HIST 27200 Latin American History from 1824  
HIST 31700 History of the Christian Church I  
HIST 32900 Women in Modern Europe  
HIST 33400 Sci & Tech in West. Civilization II  
HIST 34200 Africa and the West  
HIST 35100 Second World War  
HIST 36100 Violence in Africa  
HIST 37500 US Women Since 1870  
JPNS 28000 Intro to Modern Japanese Civilization  
JWST 33000 Intro to Jewish Studies  
LC 23500 East Asian Literature  
LC 23900 Contemporary Foreign Women Writers  
PHIL 11400 Global Morals Issues  
PHIL 20600 Philosophy of Religion  
PHIL 21900 Intro to Existentialism  
PHIL 24000 Social & Political Philosophy  
PHIL 24200 Phil, Culture & African American Exp  
PHIL 27000 Biomedical Ethics  
PHIL 29000 Environmental Ethics  
PHIL 33000 Religions of the East  
PHIL 33100 Religions of the West  
POL 13000 Intro to International Relations  
POL 14100 Governments of the World  
POL 22200 Women, Politics and Public Policy  
POL 23000 Intro to the Study of Peace  
POL 23100 Intro to US Foreign Policy  
POL 23500 Rich and Poor Nations  
POL 23700 Modern Weapons & Internationl Relatns  
POL 30400 Israel and World Politics  
POL 32700 Green Global Politics  
POL 34200 Govt and Politics in the Communist Successor States  
POL 34500 West European Democracies in the Post-Industrial Era  
POL 34800 East Asian Politics  
SOC 33800 Global Social Movements  
SOC 33900 Introduction to Sociology of Developing Nations  
**TECH 33000 Tech & the Global Society**  
Any foreign language course of 201, 202, 301, 302, 401, 402, or 235  
Any Study Abroad experience on your Purdue Transcript

**<sup>9</sup>TECHNICAL ELECTIVE:** Any course within the Purdue Polytechnic Institute, Engineering, Management, or Science.

**CGT 11000 Technical Graphics Communications**  
**CGT 22600 Introduction to Constraint Based Modeling**  
**CGT 24100 Introduction to Computer Animation**

**CGT 30800 Prepress Production and Design**  
**CGT 30900 Internship in Computer Graphics Technology**

### **Departmental Policy**

It is the responsibility of each student to assure that he or she fulfills the necessary pre-requisites and courses to meet graduation requirements. Questions may be directed to a CGT advisor. Each student must have 32 credit hours of 300- or 400-level Purdue courses for graduation.