



PURDUE SCHOOL OF ENGINEERING & TECHNOLOGY - IUPUI

CURRICULUM FOR DEGREE IN
COMPUTER GRAPHICS TECHNOLOGY

TECHNICAL ANIMATION & SPATIAL GRAPHICS (ASG)



STUDENT NAME: _____ STUDENT ID: _____ REQUIREMENT TERM: _____

ASSOCIATE DEGREE OPTION

FRESHMAN YEAR 1ST SEMESTER (13 HOURS REQUIRED)

Course	Hrs	Date	Grade	Notes
*CGT 101 - Introduction to CGT	3			
*CGT 111 - Design for Visualization & Comm.	3			
*CGT 112 - Sketching for Visualization & Comm.	3			
ENG-W 131 - Elementary Composition I	3			
TECH 102 - Discovering Technology	1			

FRESHMAN YEAR 2ND SEMESTER (17 HOURS REQUIRED)

Course	Hrs	Date	Grade	Notes
*CGT 116 - Geometric Mod. for Visual. & Comm.	3			
*CGT 117 - Illustrating for Visual. & Comm.	3			
COMM-R 110 - Fund. of Speech Communication	3			
Human./Social Science Elective	3			
**MATH 159 - Pre-calculus	5			

SOPHOMORE YEAR 1ST SEMESTER (16 HOURS REQUIRED)

Course	Hrs	Date	Grade	Notes
*CGT/CIT 141 - Internet Fundtn. Develop. & Techn.	3			
*CGT 211 - Raster imaging for Computer Graphics	1			
*CGT 251 - Principles of Creative Design	3			
*CGT 299 - Seminar: Current Issues in CG	3			
Science Elective	3			
TCM 340 - Correspondence in Business & Industry	3			

SOPHOMORE YEAR 2ND SEMESTER (14 HOURS REQUIRED)

Course	Hrs	Date	Grade	Notes
*CGT 216 - Vector Imaging for Computer Graphics	2			
*CGT 241 - Introduction to Animation	3			
*CGT 299 - Seminar: Portfolio Review	3			
Free Elective	3			
PSY-B 104 - Psychology as a Social Science	3			
TOTAL HOURS FOR ASSOCIATE DEGREE	60			

BACCALAUREATE DEGREE OPTION

JUNIOR YEAR 1ST SEMESTER (15 HOURS REQUIRED)

Course	Hrs	Date	Grade	Notes
*CGT 341 - Motion for Computer Animation	3			
*CGT 351 (MM Auth. I) or CGT 356 (Hyper. Auth. I)	3			
*CGT 390 - Seminar: Storyboarding and Preproduct.	3			
Human./Social Science Elective	3			
TCM 370 - Oral Practicum for Technical Managers	3			

JUNIOR YEAR 2ND SEMESTER (15 HOURS REQUIRED)

Course	Hrs	Date	Grade	Notes
*CGT 346 - Digital Video & Audio	3			
*CGT-I 398 - Internship III	3			
*CGT 442 - Production for Computer Animation	3			
Free Elective	3			
Technical Elective	3			

SENIOR YEAR 1ST SEMESTER (16 HOURS REQUIRED)

Course	Hrs	Date	Grade	Notes
Business/Economics/Marketing Selective	3			
*CGT 411 - Contemporary Problems in A.C.G.	3			
*CGT 444 - Visual Effects in Film and Animation	3			
*CGT-I 496 - Internship IV	3			
*CGT 499 - Senior Seminar	1			
Technical Elective	3			

SENIOR YEAR 2ND SEMESTER (16 HOURS REQUIRED)

Course	Hrs	Date	Grade	Notes
*CGT 446 - Digital Postproduction	3			
*CGT 450 - Professional Practices	4			
Human./Social Science or Liberal Arts Elective	3			
OLS 274 - Applied Leadership	3			
Technical Elective	3			
TOTAL HOURS FOR BACCALAUREATE DEGREE	122			

*CGT CORE COURSES REQUIRE A GRADE OF C- OR HIGHER

**MATH 153 & MATH 154 MAY BE USED IN PLACE OF MATH 159

EFFECTIVE FALL 2008

Educational Areas and Categories

Associate and Baccalaureate programs may be divided up into “Areas” and “Categories”. The “Areas” include:

1. General Education

- a. Required courses and electives in Communications (English and Speech), Mathematics, Science, and Psychology
- b. Supporting Humanities, Social Sciences, or Liberal Arts electives
- c. Supporting courses in other areas, i.e. TCM 340 - Correspondence in Business & Industry, or Business/Economics/Marketing Selective, etc.

2. CORE Courses

- a. Courses within the central area of study that bear the CGT prefix, i.e. CGT 111 - Design for Visualization & Comm.

3. Supporting Courses

- a. Courses that are required and support the central area of study, i.e. TECH 102 – Discovering Technology, or OLS 274 - Applied Leadership, etc.

4. Technical and Free Electives

- a. Courses which students may select within the Purdue School of Engineering and Technology which allow them to study any technical subjects which they wish to pursue. For example, students may receive minors and certificates in a second area of study such as Technical Communications, Computer Information Technology, Organizational Leadership and Supervision, etc.
- b. Free Electives are classes that may be freely chosen by the student to round out their education.

CGT majors may satisfy the credit hour requirements within each “Area” by taking classes within the subject “Categories” listed below:

1. Humanities & Social Science Electives, and Liberal Arts (9 credit hours required)

Afro-American Studies / American Sign Language and English Interpretation / Anthropology / Art History or Appreciation / Classical Studies / Communication & Theatre / East Asian Language & Culture / Economics / Education / English / Film Studies / Folklore / Foreign Languages (any) and Linguistics / Geography / History / International Studies / Museum Studies / Music / Near Eastern Language & Culture / Philosophy / Political Science / Psychology / Public And Environmental Affairs / Religious Studies / Sociology / Social Work / Women's Studies

2. Science Elective (3 credit hours required)

Astronomy / Biology / Chemistry / Computer Science / Geology / Mathematics / Physics

3. Business/Economics/Marketing Selective (3 credit hours required)

BUS-A 200 / BUS-L 203 / BUS-M 200 / ECON-E 201 / ECON-E 202 / ECON-E 303 / ECON-E 307 / IET 350

4. Technical Electives (9 credit hours required)

All courses offered within the Purdue School of Engineering and Technology qualify as a technical elective.

5. Free Electives (6 credit hours required)

All courses offered at IUPUI qualify as a free elective if they are not designated as a remedial course; for example. MATH 001, MATH 111, ENG-G 010 and similarly listed courses.