

PURDUE SCHOOL OF ENGINEERING & TECHNOLOGY - IUPUI

CURRICULUM FOR DEGREE IN COMPUTER GRAPHICS TECHNOLOGY TECHNICAL ANIMATION & SPATIAL GRAPHICS

ASSOCIATE OF SCIENCE DEGREE

BACHELOR OF SCIENCE DEGREE

FRESHMAN YEAR 1ST SEMESTER (16 HOURS REQUIRED)

Course	Hrs
First Semester	
*CGT 100 Computer Graphics Lectures	1
CIT 106 Using a Personal Computer	3
*CGT 111 Design for Visual & Communication	3
*CGT 112 Sketching for Visualization & Comm.	3
ENG W131 Elementary Composition I	3
MATH 153 Algebra and Trigonometry I	3

FRESHMAN YEAR 2ND SEMESTER (15 HOURS REQUIRED)

Course	Hrs
Second Semester	
*CGT 116 Geometric Model for Visual & Comm.	3
*CGT 117 Illustrating for Visualization & Comm.	3
COMM R110 Fund. of Speech Communication	3
MATH 154 Algebra and Trigonometry II	3
Liberal Arts Elective	3

SOPHOMORE YEAR 1ST SEM (15 HRS REQUIRED)

Course	Hrs
Third Semester	
*CGT 211 Raster Imaging for Computer Graphics	3
*CGT 241 Introduction to Computer Animation	3
IET 104 Industrial Organization	3
Science Elective	3
CIT 140 Programming Constructs Lab	3

SOPHOMORE YEAR 2ND SEMESTER (15 HOURS REQUIRED)

Course	Hrs
Fourth Semester	
*CGT 216 Vector Imaging for Computer Graphics	3
*CGT 340 Digital Lighting and Rendering for Computer Animation	3
CSCI N355 Introduction to Virtual Reality	3
Liberal Arts Elective	3
Elective	3
Total Hours for A.S.	61

JUNIOR YEAR 1ST SEMESTER (15 HOURS REQUIRED)

Course	Hrs
First Semester	
*CGT 341 Motion for Computer Animation	3
*CGT 251 Principles of Interactive and Dynamic Media	3
CIT 262 Prob. Solv. & Prog. Or CIT 270 Java Prog.	3
TCM 370 Oral Practicum for Technical Managers	3
Liberal Arts Elective	3

JUNIOR YEAR 2ND SEMESTER (15 HOURS REQUIRED)

Course	Hrs
Second Semester	
*CGT 346 Digital Video & Audio	3
*CGT 442 Production for Computer Animation	3
CIT 288 Using a Database Management System	3
TCM220 Tech.Re.Wr. Or TCM340 Cor. in Bus. & In.	3
Technical Elective	3

SENIOR YEAR 1ST SEMESTER (16 HRS REQUIRED)

Course	Hrs
Third Semester	
*CGT 411 Contemporary Problems in A.C.G.	3
*CGT 415 Seminar for Senior Design Project	1
*CGT 351 (MM Auth. I) or CGT 356 (Hypm. Auth. I)	3
BUS L203 Commercial Law I	3
Liberal Arts Elective	3
Technical Elective	3

SENIOR YEAR 2ND SEMESTER (15 HOURS REQUIRED)

Course	Hrs
Fourth Semester	
*CGT 416 Senior Design Project	3
IET 350 Engineering Economy	3
SOC 317 Sociology of Work	3
Humanities or Social Science Elective	3
Elective	3
Total Hours for B.S.	122

HUMANITIES & SOCIAL SCIENCE ELECTIVES

Anthropology / Economics /
Geography / Political Science /
Psychology / Sociology

SCIENCE ELECTIVES

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

LIBERAL ARTS ELECTIVES

Any course within the School of
Liberal Arts

TECHNICAL ELECTIVES

**Courses within the School of
Engineering and Technology**

WRITTEN APPROVAL BY ADVISOR REQUIRED FOR ANY TECHNICAL ELECTIVE

ELECTIVES

Any course offered at IUPUI