

EFFECTIVE: FALL 2007-2008

**ARCHITECTURAL AND ENGINEERING
COMPUTER AIDED DESIGN**

www.austincc.edu/cad

Integrated Circuit Layout and Design Certificate

27 hours

REQUIRED 'IC LAYOUT' COURSES

DFTG-2470	IC Layout and Design I	
DFTG-2471	IC Layout and Design II	
DFTG-1494	IC Layout and Design III	
DFTG-2405	Printed Circuit Bd. Design	
CETT-1409	DC-AC Circuits	
CETT-1425	Digital Fundamentals	
ITSC-1307****	UNIX Operating System I	

Notes:

STUDENT: _____

DATE: _____ **Advisor's Initial** _____

RESTRICTED ELECTIVES	
DFTG-1405	Technical Drafting
DFTG-1417	Architectural Drafting - Residential
DFTG-1421	Architectural Illustration
DFTG-1425	Blueprint Reading and Sketching
DFTG-1433	Mechanical Drafting
DFTG-1475	Advanced Pro E Surface Modeling
DFTG-1491	Special Topics in Drafting
DFTG-1492	ST in Arch Drafting: ADVANCED RESIDENTIAL
DFTG-1494	ST in Elec/Electron: IC LAYOUT III
DFTG-1495	ST in Mech Drafting:SOLIDWORKS
DFTG-1495	ST in Mech Drafting:MEMS
DFTG-2402	Machine Drafting
DFTG-2405	Printed Circuit Board Design
ARCE-1452****	Structural Drafting
DFTG-2412	Technical Illustration
DFTG-2417	Descriptive Geometry
DFTG-2428	Architectural Drafting - Commercial
DFTG-2430**	Civil Drafting
DFTG-2432	Advanced Computer-Aided Drafting
DFTG-2436	Computer-Aided Drafting Programming
DFTG-2440	Solid Modeling/Design
DFTG-2472***	Intro. to Geographic Information S
DFTG-2473	Introduction to CAD/CAM
DFTG-2474	Architectural Modeling
CNBT-1411	Construction Methods and Materials
MCHN-1419	Manufacturing Materials and Process
ENGR-1201	Introduction to Engineering
GEOG-2470	Intro. to Geographic Information Systems (GIS)
WLDG-1437	Introduction to Metallurgy

GENERAL EDUCATION COURSE

(Choose from list below to equal 15hrs.)

English		
Math		
Oral Communication		
Arts & Humanities		
Social Behavior & Science		

Choose (1) from each category

ENGLISH

ENGL 1301 English Composition I
ENGL 1302 English Composition II

MATH

MATH 1314 College Algebra
MATH 1316 Trigonometry
MATH 1324 Math for Business & Economics
MATH 1332 College Mathematics
MATH 1333 Mathematics for Measurement
MATH 1342 Elementary Statistics
MATH 2318 Linear Algebra
MATH 2413 Calculus I
MATH 2414 Calculus II

SPEECH

SPCH 1311 Intro to Speech Communication
SPCH 1315 Fundamentals of Public Speaking
SPCH 1318 Interpersonal Communication
SPCH 1321 Business & Professional Speaking

SOCIAL BEHAV & SCIENCE

ANTH 2301 Physical Anthropology
ANTH 2351 Cultural Anthropology
ANTH 2302 Introduction to Archaeology
ECON 2302 Principles of Microeconomy
ECON 2301 Principles of Macroeconomy
GEOG 1301 Physical Geography
GEOG 1302 Cultural Geography
GOVT 2305 American Government
GOVT 2306 Texas State & Local
HIST 1301 U. S. History I
HIST 1302 U. S. History II
HIST 2301 Texas History
HIST 2327 U. S. History I: Mexican-
HIST 2328 U. S. History II: Mexican-
PSYC 2301 Intro to Psychology
SOC 1301 Intro to Sociology

ARTS & HUMANITIES

ARTS 1301 Intro to the Visual Arts
ARTS 1303 Art History I
ARTS 1304 Art History II
COMM 1335 Intro to Radio and Television
DANC 2303 History & Appreciation of Dance
DRAM 1310 Introduction to the Theatre
DRAM 2366 Film Appreciation
ENGL 2322 British Literature I
ENGL 2323 British Literature II
ENGL 2327 American Literature I
ENGL 2328 American Literature II
ENGL 2332 World Literature I
ENGL 2333 World Literature II
ENGL 2342 Introduction to Literature I
ENGL 2343 Introduction to Literature II
FREN 1511 French I
FREN 1512 French II
FREN 2311 French III
FREN 2312 French IV
GERM 1511 German I
GERM 1512 German II
GERM 2311 German III
GERM 2312 German IV
HUMA 1301 Intro to Humanities
HUMA 1315 The Arts in Contemporary Society
JAPN 1511 Japanese I
JAPN 1512 Japanese II
JAPN 2311 Japanese III
JAPN 2312 Japanese IV
LATI 1511 Latin I
LATI 1512 Latin II
LATI 2311 Latin III
LATI 2312 Latin IV
MUSI 1301 Music Fundamentals
MUSI 1306 Music Appreciation
PHIL 1301 Intro to Philosophy
PHIL 2303 Logic
PHIL 2306 Ethics
RUSS 1511 Russian I
RUSS 1512 Russian II
RUSS 2311 Russian III
RUSS 2312 Russian IV
SPAN 1511 Spanish I
SPAN 1512 Spanish II
SPAN 2311 Spanish III
SPAN 2312 Spanish IV

² See General Education Course list.

*Replaces DFTG 1409 in previous A&E CAD degree plans. Students who have credit for DFTG 1409 should NOT enroll in DFTG 2419

**Replaces DFTG 2421 in previous A&E CAD degree plans. Students who have credit for DFTG 2421 should NOT enroll in DFTG 2430

***Replaces DFTG 2472 in previous A&E CAD degree plans. Replaces GEOG 1410. Students who have credit for DFTG 2472 should not enroll in GEOG 2470

****DFTG 5033 may be substituted for ITSW 1307, Call 223-4841 for details.

***** Replaces DFTG 2410 in previous A&E CAD degree plans. Students who have credit for DFTG 2410 should NOT enroll in ARCE 1452

NOTE: There is some flexibility within the degree plans. See your A&E CAD faculty advisor for more information or contact Tvshun Robinson to schedule an advising appointment (512) 223-4841.

