

DEGREE REQUIREMENTS⁺
BACHELOR OF SCIENCE IN DIGITAL ARTS AND SCIENCES (DAS)
FOR STUDENTS ENTERING CATALOG YEAR 2007 OR LATER
COLLEGE OF ENGINEERING, UNIVERSITY OF FLORIDA

GENERAL EDUCATION***

Composition (ENC 3254).....3	Humanities (ARH 2051)*.....6-9
Social and Behavioral Sciences*.....6-9	International and Diversity Studies (ARH 2051)**6

- * Both categories combined must total 15 hrs with no fewer than six hours in either category.
 ** These courses may be selected from courses that simultaneously fulfill the general education area requirement in social and behavioral science (S) and humanities (H).
 *** The mathematics, physical and biological science requirements are covered by the departmental requirements below.

DEPARTMENTAL REQUIREMENTS

Mathematics (18/19)

__MAC 2311 Analytic Geometry & Calculus 1	4
__MAC 2312 Analytic Geometry & Calculus 2	4
__MAC 2313 Analytic Geometry & Calculus 3	4
__MAP 2302 Elementary Differential Equations (Cal 2)	3
__MAS 3114 Comp. Linear Algebra (Cal 2 & prog. lang.exp.)	3

Physics (8)

__PHY 2048 Physics w/Cal 1 (HS Physics, Cal 1; Cal 2, PHY2048L)	3
__PHY 2048L Lab for PHY 2048 (PHY 2048)	1
__PHY 2049 Physics w/Cal 2 (PHY 2048; Cal 3, PHY 2049L)	3
__PHY 2049L Lab for PHY 2049 (PHY 2049)	1

Chemistry(4)

__CHM 2045 General Chemistry (CHM 1025; or passing grade on chem. readiness exam; CHM 2045L)	3
__CHM 2045L Lab for CHM 2045 (CHM 2045)	1

Art Required Courses (6)

__ART 2305C Perceptual Drawing	3
__ART 2701C Sculpture: Form & Space	3

DAS Courses (18)

__CAP 3032 Interactive Modeling & Animation (S)	3
__CAP 3220 Intro to Computer-Aided Modeling (F)	3
__CAP 3034 Intro to Computer-Aided Animation (S).....	3
__CAP 3027 Intro to DAS (CIS3020 or CIS3023, F)	3
__CAP 3020 Theory & Pract of Multimedia Prod (CAP3027,S)....	3
__CIS 4914 Senior Project (5EG).....	3

Interdisciplinary Electives (14⁺ or 15)-advisor approval

At least six hours must be at the 3000-level or above. Students should use this requirement to concentrate within a specific DAS-related area (e.g., Film Studies, Modeling & Animation, Media Production, Architecture, Music, etc.). ID Electives can be the following:

- Additional Group-A CISE Electives (4k-level or higher)
- Fine Arts, Theatre, Music (except MUL2010), Architecture (except ARC1701 and ARC1702), or any course with a DIG prefix
- Any approved course listed under the Film and Media Studies Major (<http://www.film.ufl.edu/courses.html>)
- Any 3k-level or higher ECE (prefix EEL) course (6 hrs max)
- Any 4k-level math or statistics course with the prefix STA, MAA, MAD, MAP, MAS OR MHF not taken to fulfill any other requirement (COT 4501 and MAD 4401 may not both be taken; COT 4420 and MAD 4504 may not both be taken; Take only ONE of these: COT 3100, MAD 4203, or MAD 3107), (6 hrs max).
- Up to three hours of a "repeatable" course, such as non-CISE independent study (xxx4905), a musical instrument, ensemble, marching and symphonic band, choir, etc.

*Catalog years 2003 and 2004 are only required to take 14 ID Elective credits because EEL3701C (4 credits) is a CISE Required Course (see next section); Students can move forward in catalog year in order to take both COT4501 and CDA3101, but a student cannot move backwards.

CISE Required Courses (22[§])

__CIS 3020 Adv Prgm Fund for CIS Majors (Cal 1, prgm exp) ...	3
OR CIS 3023 Programming for CIS majors II (CIS 3022, Cal 1)....	3
__COT 3100 App. of Discrete Structures(Cal 1, <u>CIS3020/ CIS3023</u>) ..	3
__COP 3530 Data Struc & Algorithms (CIS 3023/23, <u>COT 3100,Cal 2</u>)	4
__CEN 3031 Intro to Software Engineering (COP 3530)	3
__CAP 4730 Comp. Structure in C. Graphics (COP 3530, S)	3
__CAP 4800 System Simulation (COP 3530,F)	3
OR CIS 4930 Human Computer Interaction.....	3
__COP 4020 Programming Language Concepts (COP 3530, S) 3	3
OR COP 4600 Operating Systems (COP 3530, CDA 3101)	3
§Catalog Years 2001, 2002, 2005 or Later (6)	
__CDA 3101 Intro to Comp Organization(Cal 1, CIS3020/ CIS3023) ..	3
__COT 4501 Numerical Analysis (CIS3020/ CIS3023, MAS 3114)	3

§Catalog Years 2003, 2004 (7)

__EEL 3701C Digital Logic & Computer Systems (CIS3020/23)	4
__CDA 3101 Intro to Comp Organization (Cal 1, CIS 3020/23) ...	3
OR COT 4501 Numerical Analysis (CIS 3020/23, MAS 3114)	3

CISE Electives (6)

At least (3) credits must come from Group A. The remaining (3) credits may come from either Group A or B.

Group A:

__CAP 4410 Digital Image Processing (COP 3530, F)	3
__CAP 4621 Artificial Intelligence & Heuristics (COP 3530, F)	3
__CAP 4800 System Simulation (COP 3530, F)	3
__CDA 4102 Computer Architecture (CDA 3101, COP 3530)	3
__CNT 4007C Comp. Network Fund (COP 4600)	3
__CIS 4301 Info & Database Sys Design & Dev 1(3020/ 3023,3100) 3	3
__CIS 4940 Internship (Advisor Approval)	1
__CIS 4949 Co-op Work (Advisor Approval)	1
__COP 4331 Object-oriented Programming (COP 3530)	3
__CAP 4403 Aesthetic Computing (COP 3530)	3
__CIS 4930 HCI, Virtual Environments.....	3

OR Selected other Special Topics Courses

__CIS 4905 Individual Study in CISE	var 1-3
Any 5000-level CISE course	

Group B:

__CIS 3022 Programming for CIS Majors I (<u>Cal 1</u>)	3
__CGS 3460 Computer Programming Using C	3
__CGS 3464 Computer Programming Using C++ (CIS 3020/23) ...	3

NOTES:

- CIS 3020 is not equivalent to CIS 3023. Any student who takes CIS 3022 must then take CIS 3023. If a student takes CIS 3022/3023 sequence, then they do not have to take CIS 3020.
- ENC 3254, EEL 3701C, CIS 3020, and CIS 3023 must be completed with a C or better.
- Courses in parenthesis are prerequisites; underlined courses are co-requisites.
- An Exit Interview is required during your last semester. Please see one of the department academic advisors.
- For additional tracking requirements please refer to the College of Engineering section in the Undergraduate Catalog.
- F = Fall or S = Spring, the semester the course is only offered