



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

GENERAL EDUCATION (18)***

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

* Both categories combined must total 15 hours with no fewer than 6 hours taken in either category (i.e. 6 in one, 9 in other).

**Courses selected will also fulfill the General Education requirement in Social and Behavioral (S) or Humanities (H).

***The Mathematics, Physical Sciences, and Biological Sciences 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.)	
OR MAS 4105 Linear Algebra 1 (Cal 3)	3

Physics (8)

__ PHY 2048 Physics w/Cal 1 (HS Phys, Cal 1; Cal 2, PHY 2048L)	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 pass chemistry readiness exam)	3
__ CHM 2045L Lab for CHM 2045 (CHM 2045)	1

Art (9)

__ ARH 2051 Intro. Art History	3
__ ART 2305C Perceptual Drawing	3
__ ART 2701C Sculpture: Form & Space	3

*Note: ARH 2051 Intro. Art History, Critical Tracking, satisfies GE-H

DAS Courses (18)

__ CAP 3220 Intro to Comp-Aided Modeling (MAC 1147)(F).....	3
__ CAP 3032 Interactive Modeling & Animation (MAC 1147)(S).....	3
__ CAP 3034 Intro Computer-Aided Animation (MAC 1147)(S).....	3
__ CAP 3027 Intro to DAS (COP 3504/03) (F).....	3
__ CAP 3020 Th. & Prac. of Multimedia Prod (CAP 3027) (S).....	3
__ CIS 4914 Senior Project (4EG).....	3

Interdisciplinary Electives (14⁺ or 15)-advisor approval

15 hours to concentrate within a specific DAS-related area (e.g., Film Studies, Modeling & Animation, Media Production, Architecture, Music, etc.). At least 6 hours must be 3000-level or higher. Electives also can include 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 3 hours of a "repeatable" course, such as non-CISE independent study (xxx4905), music performance, etc.

CISE Required Courses (22)

__ COP 3504 Adv. Prog. Fund. for CISE Majors (Cal 1, prog. exp.) ..	3
OR COP 3502 + COP 3503 Prog. for CISE Majors 1&2	3*
__ COT 3100 App. of Discrete Structures(Cal 1, COP 3504/03)	3
__ COP 3530 Data Struc. & Algorith. (COP 3504/03,COT 3100,Cal 2) ..	4
__ CEN 3031 Intro. to Software Engineering (COP 3530)	3
__ CAP 4730 Comp. Struc. in Comp. Graphics (COP 3530) (S)	3
__ CAP 4800 System Simulation (COP 3530) (F)	3
OR CIS 4930 Human-Computer Interaction.....	3
__ COP 4020 Prog. Language Concepts (COP 3530) (S)	3
OR COP 4600 Operating Systems (COP 3530, CDA 3101)	3
__ CDA 3101 Intro. to Computer Org. (Cal 1, COP 3504/03)	3
__ COT 4501 Numerical Analysis (COP 3504/03, MAS 3114)	3
OR MAD 4401 Intro. to Num. Analysis (COP 3504/03, MAS 3114).....	3

* COP 3502 will count for 3 hrs of Technical Elective.

CISE Electives (6)

3-6 credits from Group A and 0 or 3 credits from Group 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&DB Sys. Design&Dev (COP 3504/03,COT 3100)	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 Human-Computer Interaction.....	3

OR Selected other Special Topics Courses

__ CIS 4905 Individual Study in CISE	var 1-4
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Any 5000-level CISE course

Group B:

__ COP 3502 Programming for CIS Majors I (Cal 1)	3
__ COP 3275 Computer Programming Using C	3
__ COP 3229 Computer Programming Using C++ (COP 3504/03) ..	3

NOTES:

- Students must complete all Critical Tracking (**bold**) courses with C or better in two attempts (W = attempt), while maintaining a 2.5 tracking GPA. Must maintain UF and CISE GPA of 2.0.
- COP 3504 is not equivalent to COP 3503. Any student who takes COP 3502 must then take COP 3503. Then, COP 3502/03 replaces COP 3504.
- ENC 3254, EEL 3701C, COP 3504, and COP 3503 must be completed with a C or better. A grade of C- or lower will not fulfill degree requirements.
- Courses in parenthesis are prerequisites; underlined courses are co-requisites.
- An Exit Interview is required during final semester. Please see an academic advisor for details.