

Undergraduate Curriculum Motions

- I. SCIS Faculty hereby approves the following restructured undergraduate curriculum for computing science majors (BS-in-CS_CS_Track, BS-in-CS_SDD_Track, BA-in-CS, BS-in-IT_SoftwareMajor, and Minor-in-CS) to be effective from Spring 2020:

A.1 Replace [CDA 3103](#) (Fundamentals) and [CDA 4101](#) (Computer Org) with a combined 3-credit course [CDA 3XXX](#) (Computer Architecture)

A.2 Move the following core courses to the elective list
[COP 4555](#)(Prog Lang), [COP 4710](#)(Database), [CNT 4713](#)(Netcentric),
[COT 3541](#)(Logic for CS) and [MAD 3512](#)(Theory of Alg)

B.1 List of prereq/coreq changes

Course	Change type	Current	Proposed	Syl Link	Syl Link
CDA 3xxx	Prereq		COP 3337 and (MAD 2104 or COT 3100)		New course
CEN 4010	Prereq	CGS 3095 and COP 3530 and COP 4710	CGS 3095 and COP 3337	Present	Modified
	Coreq	CNT 4713	None		
CIS 4911	Prereq	Permission of SP Coordinator	CEN 4010 and COP 4338 and Permission of SP Coordinator	Present	Modified
COP 4338	Title	Programming III	Systems Programming	Present	Modified
COP 4610	Prereq	CDA 4101 and COP 4338	CDA 3XXX and COP 4338	Present	Modified
MAD 3512	Prereq	MAD 2104 and COT 3420	COP 3530	Present	Modified

C.1 Split the single pool of elective courses into three elective groups with the following list of courses:

Foundations: [CAP 4506](#), [CAP 4534](#), [COP 4555](#), [COT 3541](#), [COT 4521](#), [MAD 3305](#), [MAD 3401](#), [MAD 3512](#), [MAD 4203](#), [MHF 4302](#)

Systems: [CAP 4453](#), [CDA 4625](#), [CEN 4083](#), [CNT 4713](#), [COP 4520](#), [COP 4604](#), [COP 4710](#), [COP 4722](#)

Applications: [CAP 4104](#), [CAP 4630](#), [CAP 4641](#), [CAP 4710](#), [CAP 4770](#), [CEN 4021](#), [CEN 4072](#), [COP 4226](#)

C.2 To fulfill [ACM guidelines](#) and to increase the breadth of knowledge, students are required to take at least 3 credits from each of the above three elective groups. Note that SDD track students are not required to take any course from Applications elective group as they would take both [CEN 4021](#) and [CEN 4072](#). Students must take all remaining required elective credits for their degree programs from these elective groups.

Catalog changes proposals

[BS-in-CS \(both CS track and SDD track\)](#) [Justification](#)

[BA-in-CS](#) [Justification](#)

[BS-in-IT-Software-Major](#) [Justification](#)

[Minor-in-CS](#) [Justification](#)

Motion-I is approved by the faculty on 3/22/19

- II. SCIS Faculty hereby approves the new 1-credit course on “Conference Preparation, Community Outreach and Mentoring” ([IDC_2XXX.pdf](#)) as a general elective course.

This 1-credit course requires further revision and will be discussed & voted at a later time