

BA-CIS

Summary of changes

The only changes are with respect to the GEC requirements. There are no changes with respect to the major (other than moving Stat 245 to the GEC category).

Net result: Program size reduced by 10 hrs.

Details of new program

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GEC (100 hrs):

Engl 110, Second writing:	10 hrs
Math & data analysis:	10 hrs
Math 151, Stat 245	
Nat. Sc.@1	15 hrs
Foreign language through 104@2	20 hrs
Soc. Sc.@3	10 hrs
Arts & Hum.@4	10 hrs
Historical study@5	10 hrs
Issues of contemp. world	5 hrs
Two additional courses from	10 hrs
Nat.Sc./Soc.Sc./Arts & Hum.	

@1: must include one 2-course sequence in biological or physical sc;
at least one course from each of bio. and phy. sc.

@2: some/all of these hours may be EM hours;

@3: two courses selected from two of the following three categories:
Individuals and groups; Organizations & Politics; Human,
Natural, and Economic resources.

@4: at least five hours from the Literature category; and
at least five hours from the second from Visual/Perf. Arts (VPA);

@5: This *doesn't* have to be a sequence.

Major (81 hours):

Core: CSE 221, 222, 321, 360, 560, 670: 24 hrs

Electives: 20 hrs

 chosen from CSE 541, 551, 581, 616, 625, 630,
 655, 660, 671, 675.02, 680, 757

Additional major requirements: 37 hrs

 Math 152, 153, 366; CSE 459.xx;
 approved related field (intro course: 5 hrs,
 above intro level: 10 hrs);

 General elec. in major: 8 hrs

 (courses CSE, Math, or related field)

Total for degree: 181 hrs

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BS-CIS

Summary of changes

Changes with respect to the GEC as specified by ASC. Major is strengthened (to make it technically more comparable to the BS-CSE program) as follows: require CSE 601, and a capstone design course; the number of hours in each option (not including 601 or the capstone design course) will be 24 hours. *Net result:* Program size reduced by 10 hrs.

Details of new program

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GEC (100 hrs):

Engl 110, Second writing:	10 hrs
Quantitative/Logical Analysis:	10 hrs
Math 151, Math 152	
Foreign language through 104@1	20 hrs
Nat. Sc.:	20 hrs
Phys 111/112 or 131/132;	
two additional sc. courses, at least	
one must be biological;	
Soc. Sc.@2	10 hrs
Arts & Hum.@3	10 hrs
Historical study	10 hrs
Additional breadth	10 hrs

 Math 153, 366; 2 hrs. of Stat 427

 (these courses are "prerequisites" for the major but may be taken after the student has been admitted to the major.

 Students also have the option of taking other courses as specified by the college to meet the "additional breadth" requirement; but they would they would still have to take these courses.)

@1: some or all of these hours may be EM hours;

@2: two courses selected from two of the following three categories: Individuals and groups; Organizations & Politics; Human, Natural, and Economic resources.

@3: at least five hours from the Literature category; and at least five hours from the second from Visual/Perf. Arts (VPA);

@4: This *doesn't* have to be a sequence.

Major (81 hrs):

Core:	50 hrs
221, 222, 321, 360, 459, 541, 560,	
601, 625, 655, 660, 670, 675.02, 680,	
capstone course	
Tech Option (minimum):	24 hrs
Additional math	7 hrs
Math 566, 1 hr. of Stat 427, Stat 428	

Total for degree: 181 hrs

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BS-CSE

Background

The College of Eng. has, until now, required engineering programs to include 40 hrs of GEC courses. The Computing Accreditation Commission's accreditation criteria require CSE programs to include a minimum of 45 hours of general education courses but CAC's "general education" is, in some ways, more inclusive than OSU's GEC. CAC also required students' oral communication skills to "be developed and applied in the program" which has been interpreted to mean that the skills must be *first* developed and *then* applied; i.e., the requirement cannot be met by just having students make a couple of presentations in capstone design or other courses. So until now, we have required BS-CSE majors to have 40 hours of GEC courses plus Comm 321 which is a general education course although not a GEC course, thereby meeting both CoE and CAC requirements.

Summary of changes

CoE has now reduced its GEC requirements to 35 hours. Also, CAC is in the process of eliminating any specific number of general education credit hours. Further, CAC is also eliminating the "developed and applied" requirement for communication skills (although the outcome with respect to communication skills will very much remain). Hence the proposal is to reduce our requirements to 35 hours of GEC courses plus Comm 321. Given the repeated feedback from constituents about the importance of oral skills, it seems appropriate to retain Comm 321 as a requirement.

Net result: Program size reduced by 5 hrs.

Details of new program

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General Ed. Courses (79/80 hrs):
  Oral/written skills:                                15 hrs
    Engl 110, Second writing, Comm 321
  Quantitative/Logical Analysis:                    20 hrs
    Math 151, 152, 153, 254
  Nat. Sc.:                                         19/20 hrs
    Phys 131, 132; Chem 121;
    one of Phys 133/Chem 125/Biol 113
  Soc Sc + Arts & Hum + History@1                   25 hrs
Major (112/113 hrs):
  Core:                                             45 hrs
    CSE 221, 222, 321, 360, 459, 541, 560,
    601, 625, 655, 660, 670, 675.01, 680
  Tech Option (incl. capstone course):              30 hrs
  Additional math:                                  12 hrs
    Math 366, 566, Stat 427, 428
  ECE courses:                                     13 hrs
    ECE 261, 206, 300, 309, 320, 567
  Other Engineering courses:                        12/13 hrs
    Engr 181, 183; ISE 504;
    one of ME 410/ME 500/MSE 205
Total (minimum) for degree:                         191 hrs
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@1: Must include Econ 200/201 and satisfy CoE requirements: include ethics course; include diversity course; at least 1, no more than 2, courses in each of Soc. Sc., Arts & Hum., History; if more than one course in Soc. Sc. or Arts & Hum., they must be from distinct groups.

[Arts & Hum. groups: Literature, Visual/Perf. Arts, Culture & Ideas;

Soc. Sc. gps.: Individuals & Groups, Organizations & Pol., Human, Natural & Econ. Resources].