

**List of Course and Course Credit Changes presented by CUE to Faculty Senate
on May 3, 2018**

A. List of New Courses passed by CUE April 2018

1. CS: Sunset CS 105J; update prerequisites and description for CS 114; update title for CS 115 and CS 485; update title and description for CS 116; update prerequisites for CS 408, CS 438, CS 458; update description for CS 488; new courses CS 301, CS 351
2. CEE: Prerequisite change for CE 321
3. Biology: New courses: Biol 432, Biol 436; Corrected course number Biol 470 (rather than BIOL 463)
4. History: Updated description for History 320
5. BME: Prerequisite changes for BME 310 and BME 451
6. Math: Prerequisite changes for Math 373 and Math 453
7. SoM; New course: ACCT 403
8. Informatics: Discontinue the cross-listing of IS 350 and STS 350

**B. Curriculum and Course Credit Changes to Undergraduate Programs Organized by Academic Unit
(Department, School or College):**

1. Biology

- (a) Accelerated B.A. in Biology/D.M.D., D.D.S., O.D.
 - i. Eliminate 8 credits of social sciences and PE to reflect new GER
 - ii. Updated chemistry laboratory requirements
 - iii. Math courses updated to be the same as current (4 year) B.A. program
 - iv. CS 101 replaced with BNFO 135
 - v. Free elective replaced with a laboratory elective
 - vi. Summer course requirements eliminated (summer courses moved to regular semesters; biology independent study courses become biology cluster elective courses during the regular semesters)
 - vii. Courses rearranged to balance student load and reflect current offering patterns
 - viii. Program now requires 107 credits at NJIT
- (b) Accelerated B.A. in Biology/M.D.
 - i. Eliminate 8 credits of social sciences and PE to reflect new GER
 - ii. Updated chemistry laboratory requirements
 - iii. Math courses updated to be the same as current (4 year) B.A. program
 - iv. CS 101 replaced with BNFO 135
 - v. Free elective replaced with a laboratory elective
 - vi. Free elective replaced with STS 221 (sociology)
 - vii. GER course specified as STS 210 (psychology)

- viii. Most summer course requirements eliminated (summer courses moved to regular semesters; biology independent student course become biochemistry and a biology cluster elective during the regular semesters)
 - ix. Courses rearranged to balance student load and reflect current offering patterns
 - x. Program now requires 107 credits at NJIT
- (c) Accelerated B.A. in Biology/Physical Therapy Ph.D.
- i. Eliminate 8 credits of social sciences and PE to reflect new GER
 - ii. Updated chemistry laboratory requirements
 - iii. Math courses updated to be the same as current (4 year) B.A. program
 - iv. Free elective replaced with a technical elective
 - v. Rutgers courses replaced with NJIT equivalents
 - vi. Rutgers genetics course eliminated from programs
 - vii. One summer semester eliminated from program (courses moved to regular semester or no longer required due to new GER)
 - viii. Courses rearranged to balance student load and reflect current offering patterns
 - ix. Program now require 107 credits at NJIT
- (d) Accelerated B.A. in Biology/Physician Assistant
- i. Eliminate 9 credits of social sciences and PE to reflect new GER
 - ii. Updated chemistry laboratory requirements
 - iii. Math courses updated to be the same at current (4 year) B.A. program
 - iv. One summer semester eliminated from program due to new GER; biology independent study course formerly in summer eliminated
 - v. Courses rearranged to balance student load and reflect current offering patterns
 - vi. Program now requires 107 credits at NJIT

2. NCE

- (a) B.S. in General Engineering
- i. Previously approved renaming and updating of Engineering Science to reflect new GER yielded a 2 credit reduction
 - ii. Eliminate 3 additional credits of social science
 - iii. Program now requires 122-123 credits

3. CME

- (a) B.S. in Chemical Engineering
- i. Updates to reflect new course credit amounts
 - ii. Eliminate CHE 380 as required course
 - iii. Specify PHIL 334 as 300 level History and Humanities GER course
 - iv. Program still requires 128 credits

- (b) B.S. in Chemical Engineering (five year Co-op versions)
 - i. Same changes as above; programs still require 152 credits

4. History

- (a) B.A. in Law, Technology, and Culture
 - i. Require a minimum of two of the 300 level Legal Foundations and LTC core courses to be History courses

5. CHES

- (a) B.S. in Forensic Science
 - i. Replace a free elective in all options with 300 level History and Humanities GER course since Hist 320 is not currently a GER course

6. CEE

- (a) B.S. in Civil Engineering
 - i. Previously approved update to reflect new GER yielded a 5 credit reduction
 - ii. Eliminate 3 additional credits of social science
 - iii. Courses rearranged to balance student load
 - iv. Program now requires 125 credits

7. ECE

- (a) B.S. in Computer Engineering
 - i. Previously approved program reflected course credit changes; this program assuming existing course credit amounts
 - ii. Eliminate 8 credits of social sciences and PE to reflect new GER
 - iii. Suggestion now given for one technical elective
 - iv. Courses rearranged to balance student load
 - v. Program now requires 121 credits
- (b) B.S. in Electrical Engineering
 - i. Previously approved program reflected course credit changes; this program assuming existing course credit amounts
 - ii. Eliminate 8 credits of social sciences and PE to reflect new GER
 - iii. Courses rearranged to balance student load
 - iv. Program now requires 120 credits

8. CoAD

- (a) B.A. in Digital Design
 - i. Eliminate 6 credits of social science and humanities
 - ii. Added alternative mathematics course

- iii. Courses rearranged to balance student load and reflect current offering patterns
- iv. Program now requires 127 credits (Entertainment track and Production track)
- (b) B.S. in Industrial Design
 - i. Eliminate 6 credits of social science and humanities
 - ii. Eliminate ID 301 and Math 120
 - iii. Courses rearranged to balance student load and reflect current offering patterns
 - iv. Program now requires 126 credits
- (c) B.A. in Interior Design
 - i. Eliminate 6 credits of social science and humanities
 - ii. Replace ARCH 251 with ARCH 382
 - iii. Add free elective
 - iv. Courses rearranged to balance student load and reflect current offering patterns
 - v. Program now requires 127 credits

9. Mathematical Sciences

- (a) B.S. in Biology/Mathematical Science (double major)
 - i. Eliminate 8 credits of social sciences and PE
 - ii. Courses rearranged to balance student load and reflect current offering patterns
 - iii. Program now requires 124 credits
- (b) Accelerated B.S. in Mathematical Science/M.D. D.M.D., D.D.S., O.D.
 - i. Eliminate 8 credits of social science and PE
 - ii. Replaced Rutgers biology courses with NJIT biology courses as appropriate
 - iii. One summer semester eliminated from program due to course reductions
 - iv. Courses rearranged to balance student load, reflect current offering patterns, and better prepare students for MCAT examination
 - v. Program now requires 108 credits at NJIT

10. Humanities

- (a) B.S. in Science, Technology, and Society (new option in Cyberpsychology)
 - i. Replaces STS 308 with STS 325
 - ii. Replaces 5 free electives with IS 247, IS 333, IS 350, IS 375, and IS 448
 - iii. Designates the 4 STS specialization courses to be STS 339, STS 351, STS 358, and STS 359

11. Informatics

- (a) B.S. in Science, Technology, and Society/Business and Information Systems (double major)
 - i. Replace 300 level STS track course with IS 350
- (b) B.A. in Information Systems
 - i. Eliminate 8 credits of social science and PE
 - ii. Rename New Media specialization as User Experience specialization and eliminate 8 ENG and COM courses as possible specialization courses
 - iii. Eliminate Human-Computer Interaction career track
 - iv. Add Game Design and Production career track
 - v. Add Math 101 and Math 111 as alternatives to Math 138
 - vi. General elective replaced by MGMT 216
 - vii. General elective replaced by ECON 201 (Business specialization) or IS 448 (User Experience specialization)
 - viii. A 300 level History and History GER course must be chosen for a specified list of courses for students following the User Experience specialization
 - ix. Freshman seminar made alternative to YWCC 107
 - x. Thesis option added as alternative to a senior project
 - xi. Courses rearranged to balance student load and reflect current offering patterns
 - xii. Program now requires 120-122 credits