

May 2022 Report

Items passed by CUE through early May 2022 are given below.

Curriculum Updates

1. HSS

(a) Minor in Psychology

- i. Elimination of STS 210 as a required course.
- ii. Move STS 321 and STS 339 from the list of required courses to the list of course alternatives.
- iii. Addition of STS 304 as an alternative to STS 307 with the corresponding lab (STS 304A or STS 307A) now being required as well.
- iv. Addition of PSY 333, STS 358, STS 361, and PSY 389 to the list of course alternatives.

(b) Minor in Electronic Creative Writing

- i. Elimination of ENG 351 and HUM 401 from list of course alternatives.

2. BME

(a) B.S. in Biomedical Engineering

- i. Replacement of BME 489 by BME 472 in the Medical Devices and Imaging track.
- ii. Replacement of MTSE 301 by MTEN 201 in the Biomaterials track.
- iii. Replacement of CHE 230 by BME 352 in the Biomaterials track.
- iv. Renaming of Advanced Engineering Electives to Engineering Electives with a list of course alternatives now given for all tracks.
- v. Renaming of Advanced Science Electives to Science and Engineering Electives with a list of course alternatives now given for all tracks.
- vi. Co-op versions of the curriculum now given for all tracks.

3. PHYS

(a) B.S. in Applied Physics

- i. Replacement of MATH 335 by PHYS 335 in Optical Science and Engineering option.

4. CME

(a) B.S. in Chemical Engineering (All versions)

- i. Replacement of CHE 210 and CHE 240 by CHE 201.
- ii. Replacement of CHEM 245 by CHEM 243.
- iii. Replacement of CHE 375 by MTEN 201.

- (b) B.S. in Materials Engineering (All versions)
 - i. Addition of MTEN 101 as required course.

5. CEE

- (a) B.S. in Civil Engineering (Co-op versions)
 - i. Replacement of CHEM 124 by CHEM 125A.

6. ECE

- (a) B.S. in Electrical Engineering (All versions)
 - i. Elimination of ECE 341, ECE 374, and ECE 494 as required courses.
 - ii. Addition of ECE 342 and ECE 375 as required courses.
 - iii. Replacement of ECE 481 by ECE 421 in Telecommunications and Networking Track.
 - iv. Description of technical electives updated.

7. HIST

- (a) B.A. in Law, Technology, and Culture
 - i. Replacement of MGMT 390 or HRM 301 by a free elective.

8. GER

- (a) CHEM 121 (Fundamentals of Chemical Principles I) as Scientific Literacy GER course.
- (b) HIST 342 (Civil Rights Revolution and Law) as History and Humanities 300+ level GER course.
- (c) HIST 395 (Research Methods in Law and Society) as History and Humanities 300+ level GER course.
- (d) STS 376 (Cyborg Society) as History and Humanities 300+ level GER course and as Social Sciences GER course.

9. Policy on Academic Minors

A minor consists of a minimum of 15 credits of coursework within a single area of study or across several disciplines. At least 6 credits of courses that make up the minor must be upper-level courses. Any undergraduate student in good academic standing who also has at least sophomore standing may declare a minor. Students majoring in a program may not earn a minor made up exclusively of courses from that program. In addition, at least nine credits used to satisfy the minor requirements should be counted only toward the minor; in other words, these nine credits should not overlap with requirements for the major or another minor. Also, at least nine credits used to satisfy the minor requirements must be completed at NJIT or Rutgers if the minor is offered by an academic department federated with Rutgers. A student

can be awarded a minor only when a bachelor's degree is awarded. This policy applies to minors created or updated beginning academic year 22-23.

New Courses and Other Updates

1. HCAD: Change in restriction for AD 111, AD 112, AD 150, AD 201, AD 340, AD 463, AD 490, DD 263, DD 264, DD 275, DD 284, DD 303, DD 403, DD 442, ID 216, ID 217, ID 263, ID 264, ID 312, INT 221, INT 222, INT 263, INT 264, INT 321, and INT 322; Change in prerequisite for ARCH 395 and ARCH 396.
2. ECE: Change in prerequisite for ECE 342.
3. CME: Change in prerequisite and corequisite for CHE 260 and CHE 312; Change in prerequisite for CHE 370 and CHE 472; Change in credit hours and course description and content for CHE 101; New course: CHE 201 (Material and Energy Balances).
4. SAET: Change in prerequisite for ECET 311, ECET 412, ECET 414, ECET 415, ECET 418, ECET 419, ECET 430, and ECET 444; New course: ECET 435 (Digital Signals: Processing, Presentation, and Management).
5. CS: Change grade in prerequisite for CS 266, CS 276, CS 280, CS 288, CS 301, CS 331, CS 332, CS 337, CS 341, CS 345, CS 350, CS 351, CS 356, CS 357, CS 370, CS 375, CS 388, CS 408, CS 434, CS 435, CS 438, CS 441, CS 444, CS 450, CS 458, CS 482, CS 490, CS 491, and CS 493.
6. MTSM: New course: MRKT 470 (Data-driven Marketing Decision Making).
7. CES: New courses: EVSC 340 (Environmental Health and Safety) and CHEM 210 (Frontiers in Chemistry); Sunset course: EPS 360; Change in prerequisite for FRSC 479
8. CEE: New course: ENE 465 (Sustainable Environmental Infrastructure).
9. NCE: New course: ENGR 320 (Prototyping Essentials).
10. BME: Change in prerequisite for BME 495.