

**UTK ARTICULATION AGREEMENT
NUCLEAR ENGINEERING
RADIOLOGICAL ENGINEERING CONCENTRATION (INRE)**

This program leads to an Associate of Science degree from Pellissippi State and a Bachelor of Science in Nuclear Engineering with a concentration in Radiological Engineering from the University of Tennessee.

| PELLISSIPPI STATE | | | | | |
|---------------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| Freshman | fall | spring | Sophomore | fall | spring |
| English 1010-1020 | 3 | 3 | Philosophy 2420 | 3 | - |
| ¹ Mathematics 1910-1920 | 4 | 4 | Economics 2010 | - | 4 |
| Chemistry 1110-1120 | 4 | 4 | ³ Sophomore Literature | - | 3 |
| Computer Science 1050, 1300 | 1 | 2 | History 1010-1020 or 1110-1120 | 3 | 3 |
| Engineering Science 1510- 1520 | 4 | 4 | Mathematics 2110-2120 | 4 | 3 |
| Speech 2100 | - | 3 | Physics 2110-2120 | 4 | 4 |
| ² Humanities/Arts Elective | 3 | - | ⁴ Social Science Elective | - | 3 |
| | | | Engineering Science 2021 | 2 | - |
| | | | | | |
| Total | 19 | 20 | Total | 16 | 20 |

Admission to the College of Engineering requires a minimum GPA of 2.3 and a C or better in English 1010, Mathematics 1910, and Chemistry 1110 (and subsequent courses in the three sequences, if taken). Students should earn Cs or better in all Engineering, Mathematics, and Science courses.

Additionally, a lower-division student formally applies for upper-division status after completing 50 hours of lower-division engineering curriculum coursework with an overall GPA of at least 2.4. This must include Materials Science & Engineering 201.

| UNIVERSITY OF TENNESSEE | | | |
|--|--------------|--|--------------|
| <i>Summer: Electrical & Computer Engineering 301 (3 hours)</i> | | | |
| Junior | hours | Senior | hours |
| Nuclear Engineering 200, 342, 351, 401, 433, and 470 | 17 | Nuclear Engineering 400, 402, 406, 472, and 490 | 14 |
| Mechanical Engineering 331 | 3 | Technical Elective | 6 |
| Physics 341 | 3 | Mechanical Engineering 321 | 3 |
| Statistics 251 | 3 | Engineering Fundamentals 402 | 1 |
| Mathematics 403 | 3 | | |
| | | | |
| Total | 29 | Total | 24 |

¹Enrollment in MATH 1910 requires completion of MATH 1730 or an ACT math score of 26 and completion of precalculus, geometry, and trigonometry.

²Chosen from: ART 1720, 1730; ENGL 2110, 2120, 2210, 2220, 2310, 2320, 2331, 2510, 2520; MUS 1030; PHIL 1030; THEA 1030.

³Chosen from: ENGL 2110, 2120, 2210, 2220, 2310, 2320, 2331, 2510, 2520.

⁴Chosen from: ANT 1300; HIST 2040; POL 1020; PSY 1010, 2400; SOC 1010, 1020; WMN 2200.