# *Nuclear Engineering Undergraduate Advising Worksheet*

| *FALL* | *SPRING* | *SUMMER* |
|---|---|---|
| **Semester 1** | **Semester 2** | |
| CHM2045/2095 (3)[1] _____ | ENC3246 (3) _____ | |
| CHM2045L (1) _____ | HUM2305 (3) _____ | |
| MAC2311 (4)[2] _____ | MAC2312 (4) _____ | |
| ENU1000 (1) _____ | PHY2048 (3)[3] _____ | |
| Composition (3) _____/_____ | PHY2048L (1) _____ | |
| GE-S (3) _____/_____ | | |
| **Semester 3** | **Semester 4** | **Semester 5** |
| ENU4934 (1) _____ | CHM2046/2096 or | EGM3520 (3) _____ |
| STA3032 (3) _____ | BSC2010 (3) _____ | EMA3010 (3) _____ |
| MAC2313 (4) _____ | EGM2511 (3) _____ | GE-S or H (3) _____/_____ |
| PHY2049 (3) _____ | COP2271 (3) _____ | |
| PHY2049L (1) _____ | EML3100 (3) _____ | |
| GE-H (3) _____ | MAP2302 (3) _____ | |
| **Semester 6** | **Semester 7** | |
| EEL3003 (3) _____ | ENU4140 (2) _____ | |
| EGN3353C (3) _____ | ENU4103 (3) _____ | |
| EGN4034 (1) _____ | ENU4144 (4) _____ | |
| ENU4001 (4) _____ | ENU4800 (3) _____ | |
| ENU4605 (4) _____ | GE-S (3) _____/_____ | |
| **Semester 8** | **Semester 9** | |
| ENU4134 (3) _____ | ENU4145 (3) _____ | |
| ENU4191 (1) _____ | ENU4192 (3) _____ | |
| ENU4612 (3) _____ | ENU4505L (3) _____ | |
| ENU4612L (1) _____ | ENU4641C (3) _____ | |
| ENU4630 (3) _____ | Technical Elective (3) _____ | |
| Technical Elective (3) _____ | | |

## Technical Electives

The choice of engineering science and technical electives allows emphasis in nuclear power engineering, nuclear instrumentation, criticality safety safeguards, radiation imaging, plasmas/fusion, advanced nuclear reactor concepts and non-proliferation. Of the six credits of technical electives required, three credits must be ENU and three credits may be any engineering, mathematics or science (STEM) course 3000-level or above. Courses examples include:

- ENU4905 (8 max)
- ENU4930 (8 max)
- ENU4949 Co-op Work Experience (3 max)

**Disclaimer:** *The courses required for the BS NE degree are offered only once a year in specific semesters. Furthermore, junior and senior level courses may be scheduled concurrently; as a result, course availability is maximized by taking the courses in sequence within a continuous two-year period (e.g. junior and senior year). Students must recognize and accept responsibility of the ramifications of the required sequencing of courses needed for the NE BS degree. Beyond the impacts of not meeting critical tracking requirements additional semesters (years) will be required to obtain the degree, when the published track is not followed. Students falling off track must accept responsibility for arranging courses needed to fulfill degree requirements*