ELECTRICAL AND COMPUTER ENGINEERING MAJOR

Program Tracking Sheet: Effective for students entering AY 2024–2025

| Name: | Class Yea | r: | | 2 nd Major: | | |
|--|--|------------|------------------|---|----------------------------------|---------------------|
| Academic Advisor: | | | Faculty Advisor: | | | |
| | | | PHYSICS (2/3 | unit) Courses with prefix: PH | | <u>.</u> |
| NOTES: Minimum total credit = 15 units; Min. 8 units completed at WPI | | | 23 | unity Courses with profix. 1 11 | | 1/3 |
| LUIMANUTICO AND ADTO (C/2it-) Mt | | h - f | 24 | | | 1/3 |
| HUMANITIES AND ARTS (6/3 units) Must c beginning Inquiry Seminar or Practicum. | omplete all 5 HUA cour | ses defore | <u> </u> | | <u></u> | |
| Depth Component | | | CHEMISTRY o | r BIOLOGY (1/3 unit) Course | with prefix: CH or B | В |
| Students must complete at least three them | atically-related courses | prior to | 25 | | | 1/3 |
| the culminating Inquiry Seminar or Practicus | | | | | | |
| least one of the three courses should be at t | least one of the three courses should be at the 2000-level or above. | | | TH or BASIC SCIENCE (2/3) | unit) Courses with p | refix: MA, |
| Course | Term Grade | e Units | PH, CH, BB, or | GE | | 1 4/0 |
| 1 | | 1/3 | 26 | | | 1/3 |
| 2 | | 1/3 | 27 | | | 1/3 |
| 3 | | 1/3 | | | | |
| 4 HU 3900 or HU 3910 | | 1/3 | ENCINEEDING | CCITNOT AND DECION (6. | ita inalisalina MOI | 3 \ |
| Breadth Component | | | | SCIENCE AND DESIGN (6 L ENGINEERING (3/3 unit) Mus | | |
| Students must take at least one course outs | | | | urses: ECE 2112, 2201, 2305, | | |
| complete their depth component. To identify | breadth, courses are g | rouped in | | 01, 4011, 4023, 4305, 4503, 4 | | |
| the following manner. | AD ENITH MUN. | | 28 | . , , , | | 1/3 |
| i. art/art history, drama/theatre, and music (| | | 29 | | | 1/3 |
| ii. foreign languages (AB, CN, EN, GN, SP);iii. literature and writing rhetoric (EN, WR, RI | | | 30 | | | 1/3 |
| iv. history and international studies (HI, HU, | | | <u> </u> | | I I | |
| v. philosophy and religion (PY, RE). | IIN I L), | | DIGITAL CIRC | UIT DESIGN (1/3 unit) Must in | nclude 1/3 unit of C | omputer |
| Exception: May take all six courses in a fore | ion language | | Engineering co | urses with topics in digital circ | uit design: ECE 202 | 29, 3829 |
| 5 | | 1/3 | 31 | | | 1/3 |
| Humanities Elective | | ., ., . | | | | |
| 6 | | 1/3 | | OMPUTING (1/3 unit) Must in | | |
| | | | | urses with topics in embedded | d computing: ECE 2 | |
| WELLNESS AND PHYSICAL EDUCATION | (4 WPE classes = 1/3 u | nit) | 32 | | | 1/3 |
| | | 1/12 | | | | |
| _ | | 1/12 | | CTRICAL AND COMPUTER | | 3 units) Courses |
| 7 | | 1/12 | 33 | at the 2000-level or higher ar | 10 ES 3011 | 1/3 |
| | | 1/12 | 34 | | | 1/3 |
| • | | | 35 | | | 1/3 |
| SOCIAL SCIENCE (2/3 unit) ECON, ENV, G | 36 | | | 1/3 | | |
| STS, DEV and ID2050 | | | 37 | | | 1/3 |
| 8 | | 1/3 | 38 | | | 1/3 |
| 9 | | 1/3 | 39 | | | 1/3 |
| | | | 00 | | | 1/0 |
| INTERACTIVE QUALIFYING PROJECT (3/3 | 3 unit) | | COMPLITATIO | NAL ENGINEERING (1/3 unit) | FCE 2030 (proforable | v) or any 2000 lov |
| 10 | | 1/3 | | course except CS 2011, CS 20 | | y, or arry 2000-160 |
| 11 | | 1/3 | 40 | 300100 0x00pt 00 2011, 00 20 | J22, una 00 0010 | 1/3 |
| 12 | | 1/3 | **** | | 1 | 1/5 |
| | | <u></u> | Add:4: FN4 | CINEEDING COITNOT AND F | NECION (0/2 | ouroop of the anno |
| FREE ELECTIVES (3/3 unit) | | | | GINEERING SCIENCE AND D om: AE, AREN, BME, CE, CHE | | |
| 13 | | 1/3 | | 011. AE, AREN, BIVIE, CE, CHE 011, CS 2022 and CS 3043 | , 00, LOL, LO, 1 ⁻ F, | IVIL OI INDL, |
| 14 | | 1/3 | 41 | , 30 2022 0.10 00 00 10 | | 1/3 |
| 15 | | 1/3 | 42 | | | 1/3 |
| | | <u></u> | <u> </u> | | <u> </u> | 1 1 |
| MATHEMATICS AND BASIC SCIENCE (4) | | | MAJOR QUAL | IFYING PROJECT (3/3 unit) | | |
| MATHEMATICS (7/3 units) Courses with pre | efix: MA | | 43 | . (| | 1/3 |
| 16 MA 1021 (Calculus I) | | 1/3 | 44 | | | 1/3 |
| 17 MA 1022 (Calculus II) | | 1/3 | 45 | | | 1/3 |
| 18 MA 2051 (Ord. Differential Equations) | | 1/3 | | | | |
| 19 MA 2621 (Probability) | | 1/3 | | | | |
| 20 | | 1/3 | | | | |
| 21 | | 1/3 | | | | |