

## UA - Pulaski Technical College - UA Engineering Advising Guide

|   |   | Completed | ACTS#     | UofA#     | STEMP Required for Degree | BENG           | BMEG           | CHEG         | CompS            | CompE        | CVEG      | ELEG           | INEG           | MEEG           |
|---|---|-----------|-----------|-----------|---------------------------|----------------|----------------|--------------|------------------|--------------|-----------|----------------|----------------|----------------|
| <b>English (6 hours)</b>  |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| ENGL  | 1311 English Composition I                            |           | ENGL 1013 | ENGL 1013 |                           | 3              | 3              | 3            | 3                | 3            | 3         | 3              | 3              | 3              |
| ENGL  | 1312 English Composition II                           |           | ENGL 1023 | ENGL 1023 |                           | 3              | 3              | 3            | 3                | 3            | 3         | 3              | 3              | 3              |
| <b>Communications (3 hours)</b>   |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| GNEG  | 1103 Introduction to Engineering (U of A course)      |           |           | GNEG 1111 | X                         | 3              | 3              | 3            | 3                | 3            | 3         | 3              | 3              | 3              |
| SPCH  | 1300 Speech Communications                            |           | SPCH 1003 | COMM 1313 |                           |                |                |              | 3                | 3            |           |                |                |                |
| <b>Mathematics (12 hours)</b>   |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| MATH  | 1404 Calculus I                                       |           | MATH 1103 | MATH 2554 | X                         | 4              | 4              | 4            | 4                | 4            | 4         | 4              | 4              | 4              |
| MATH  | 1405 Calculus II                                      |           | MATH 2505 | MATH 2564 | X                         | 4              | 4              | 4            | 4                | 4            | 4         | 4              | 4              | 4              |
| MATH  | 2406 Calculus III                                     |           | MATH 2603 | MATH 2574 | X                         | 4              |                | 4            |                  | 4            | 4         | 4              | 4              | 4              |
| <b>Science (16 hours)</b>   |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| CHEM  | 1305/1105 General Chemistry I                         |           | CHEM 1414 | CHEM 1103 |                           | 4              | 4              | 4            | 4                | 4            | 4         | 4              | 4              | 4              |
| CHEM  | 1306/1106 General Chemistry II                        |           | CHEM 1424 | CHEM 1123 |                           |                | 4              | 4            | 4*               | 4*           | 4*        |                | 4*             | 4*             |
| BIOL  | 1302/1102 Biological Science                          |           | BIOL 1014 | BIOL 1543 |                           | 4              | 4              |              | 4*               | 4*           |           | 4*             | 4*             | 4*             |
| BIOL  | 2301/2101 Microbiology                                |           | BIOL 2004 | BIOL 2013 |                           | 4              | 4              |              |                  |              |           |                |                |                |
| BIOL  | 1304/1104 & 1305/1105 Human Anatomy & Physiology I/II |           | BIOL 1304 | BIOL 2443 |                           | 4*             | 4              | 4*           | 4*               | 4*           |           | 4*             | 4*             | 4*             |
| PHYS  | 1305/1105 Advanced College Physics I                  |           | PHYS 2034 | PHYS 2054 |                           | 4              | 4              | 4            | 4                | 4            | 4         | 4              | 4              | 4              |
| <b>Humanities and Social Science (15-18 hours)</b>  |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| <b>US History/Government (3 hours)</b>  |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| POLS  | 1310 American National Government                     |           | PLSC 2003 | PLSC 2003 |                           | 3              | 3              | 3            | 3                | 3            | 3         | 3              | 3              | 3              |
| HIST  | 2311 U.S. History to 1877                             |           | HIST 2113 | HIST 2003 |                           |                |                |              |                  |              |           |                |                |                |
| HIST  | 2312 U.S. History since 1877                          |           | HIST 2123 | HIST 2013 |                           |                |                |              |                  |              |           |                |                |                |
| <b>Economics (3-6 hours):</b>   |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| ECON  | 2323 Principles of Macroeconomics                     |           | ECON 2103 | ECON 2013 |                           |                |                |              |                  |              |           |                |                |                |
| ECON  | 2322 Principles of Microeconomics                     |           | ECON 2203 | ECON 2023 |                           |                |                |              |                  |              |           |                |                |                |
| <b>Social Science (3-6 hours)</b>   |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| ANTH  | 2310 Cultural Anthropology                            |           | ANTH 2013 | ANTH 1023 |                           | 6              | 6              | 6            | 6                | 6            | 6         | 6              | 3              | 6              |
| HIST  | 2311 U.S. History to 1877                             |           | HIST 2113 | HIST 2003 |                           |                |                |              |                  |              |           |                |                |                |
| HIST  | 2312 U.S. History since 1877                          |           | HIST 2123 | HIST 2013 |                           |                |                |              |                  |              |           |                |                |                |
| HIST  | 1311 History of Civilization I                        |           | HIST 1213 | HIST 1113 |                           |                |                |              |                  |              |           |                |                |                |
| HIST  | 1312 History of Civilization II                       |           | HIST 1223 | HIST 1123 |                           |                |                |              |                  |              |           |                |                |                |
| POLS  | 2320 American State and Local Government              |           | PLSC 2103 | PLSC 2003 |                           |                |                |              |                  |              |           |                |                |                |
| POLS  | 1310 American National Government                     |           | PLSC 2003 | PLSC 2003 |                           |                |                |              |                  |              |           |                |                |                |
| SOCI  | 2300 Introduction to Sociology                        |           | SOCI 1013 | SOCI 2013 |                           |                |                |              |                  |              |           |                |                |                |
| <b>Fine Arts (3 hours)</b>  |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| ARTS  | 2300 Introduction to Visual Arts                      |           | ARTS 1003 | ARHS 1003 |                           | 3              | 3              | 3            | 3                | 3            | 3         | 3              | 3              | 3              |
| FILM  | 2300 Introduction to Film                             |           |           | COMM 1003 |                           |                |                |              |                  |              |           |                |                |                |
| MUSC  | 2300 Introduction to Music                            |           | MUSC 2300 | MLIT 1003 |                           |                |                |              |                  |              |           |                |                |                |
| THEA  | 2300 Introduction to Theatre                          |           | THEA 2123 | DRAM 1003 |                           |                |                |              |                  |              |           |                |                |                |
| <b>Humanities (0-3 hours)</b>   |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| Any intermediate I foreign language   |   |           |           |           |                           | 3              | 3              | 3            | 0                | 0            | 3         | 3              | 3              | 0              |
| PHIL  | 1310 Introduction to Philosophy                       |           | PHIL 1103 | PHIL 2003 |                           |                |                |              |                  |              |           |                |                |                |
| ENGL  | 2337 World Literature from Beginning to 1650          |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| ENGL  | 2338 World Literature from 1650 to present            |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| PHIL  | 1330 Introduction to Critical Thinking                |           | PHIL 1003 | PHIL 2203 |                           |                |                |              |                  |              |           |                |                |                |
| PHIL  | 2330 Ethics and Society                               |           | PHIL 1003 | PHIL 2103 |                           |                |                |              |                  |              |           |                |                |                |
| <b>Technical Electives</b>  |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| CSC   | 2004 Programming Foundations I (U of A course)        |           |           | CSC 2004  | X                         |                |                |              | 4                | 4            |           |                | 4              |                |
| <b>Notes:</b>   |   |           |           |           |                           |                |                |              |                  |              |           |                |                |                |
| All courses have been evaluated by the University of Arkansas College of Engineering. Courses taken outside of these courses are not guaranteed to transfer. The number of hours correspond to the number of hours need by each degree program. Classes listed in multiple sections will only count in one section. Always check courseequivalency.uark.edu for updated course information. |   |           |           |           |                           | BENG           | BMEG           | CHEG         | CompS            | CompE        | CVEG      | ELEG           | INEG           | MEEG           |
| *Indicates an elective. If there are multiple in a section, choose one.   |   |           |           |           |                           | BENG           | BMEG           | CHEG         | CompS            | CompE        | CVEG      | ELEG           | INEG           | MEEG           |
|   |   |           |           |           |                           | Biological Eng | Biomedical Eng | Chemical Eng | Computer Science | Computer Eng | Civil Eng | Electrical Eng | Industrial Eng | Mechanical Eng |