

Pre-Engineering (AS)

Degree Type: Associate of Science Degree—Arkansas State University Parallel Major

Division: Business, Education, Math, Science & Technology

Purpose: Transfer. The Associate of Science degree, Pre-Engineering concentration, is designed for students who plan to transfer to Arkansas State University to major in ENGINEERING.

FIRST YEAR

| Fall Semester | | | Hours | ✓ |
|---------------|--------------------|-------------------------------|-------|---|
| ENGL | 111 ⁽¹⁾ | College Writing | 3 | |
| GOVT | 121 ⁽¹⁾ | National and State Government | 3 | |
| BIOL | 102 ⁽¹⁾ | Environmental Science | 5 | |
| HPER | 110 | Lifetime Wellness | 2 | |
| ENGR | 110 | Engineering Graphics | 3 | |
| TOTAL HOURS | | | 16 | |

| Spring Semester | | | Hours | ✓ |
|-----------------|--------------------|---|-------|---|
| ENGL | 112 ⁽¹⁾ | Advanced College Writing | 3 | |
| CHEM | 121 ⁽¹⁾ | General Chemistry I | 5 | |
| SCOM | 110 ⁽¹⁾ | Public Speaking | 3 | |
| SCOM | 101 ⁽¹⁾ | Human Communication | | |
| MATH | 171 ⁽¹⁾ | Analytic Geometry and Calculus I | 5 | |
| CIVL | 116 | Surveying I (Civil Majors only) –or– Global Issues Elective ⁽²⁾ | 3 | |
| TOTAL HOURS | | | 19 | |

SECOND YEAR

| Fall Semester | | | Hours | ✓ |
|---------------|--------------------|---|-------|---|
| MATH | 271 ⁽¹⁾ | Analytic Geometry and Calculus II | 5 | |
| PHYS | 211 ⁽¹⁾ | General Physics I | 5 | |
| MAFT | 258 | Engineering Economy | 3 | |
| CIVL | 216 | Surveying II (Civil Majors only) –or– Social Science Elective ⁽⁵⁾ | 3 | |
| TOTAL HOURS | | | 16 | |

| Spring Semester | | | Hours | ✓ |
|-----------------|--------------------|------------------------------------|-------|---|
| | | Fine Arts elective ⁽³⁾ | 3 | |
| | | Humanities elective ⁽⁴⁾ | 3 | |
| | | Science elective ⁽⁶⁾ | 5 | |
| MATH | 272 ⁽¹⁾ | Analytic Geometry and Calculus III | 5 | |
| TOTAL HOURS | | | 16 | |

⁽¹⁾ Course has prerequisite or placement requirements.

Gen Ed Requirements are listed in shaded boxes above; please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

⁽²⁾ Choose one of the following **Global Issues** elective classes

| | | | Hours | ✓ |
|------|--------------------|--|-------|---|
| ANTH | 211 | Introduction to Anthropology | 3 | |
| HIST | 121 ⁽¹⁾ | World Civilization to the Renaissance | 3 | |
| HIST | 122 ⁽¹⁾ | World Civilization since the Renaissance | 3 | |

⁽³⁾ Choose one of the following **Fine Arts** elective classes

| | | | Hours | ✓ |
|------|-----|-------------------------------------|-------|---|
| ARTS | 123 | History and Appreciation of Art | 3 | |
| THEA | 120 | History and Appreciation of Theater | 3 | |

⁽⁴⁾ Choose one of the following **Humanities** elective classes

| | | | Hours | ✓ |
|------|--------------------|-----------------------------|-------|---|
| ENGL | 221 ⁽¹⁾ | World Literature to 1600 | 3 | |
| ENGL | 222 ⁽¹⁾ | World Literature since 1600 | 3 | |

⁽⁵⁾ Choose one of the following **Social Science** elective classes

| | | | Hours | ✓ |
|------|--------------------|------------------------------|-------|---|
| ECON | 211 ⁽¹⁾ | Principles of Macroeconomics | 3 | |
| PSYC | 111 ⁽¹⁾ | General Psychology | 3 | |
| SOCI | 111 ⁽¹⁾ | General Sociology | 3 | |
| HIST | 111 ⁽¹⁾ | American History to 1877 | 3 | |
| HIST | 112 ⁽¹⁾ | American History since 1877 | 3 | |

⁽⁶⁾ Choose one of the following **Science** elective classes

| | | | Hours | ✓ |
|------|--------------------|----------------------|-------|---|
| PHYS | 212 ⁽¹⁾ | General Physics II | 5 | |
| CHEM | 122 ⁽¹⁾ | General Chemistry II | 5 | |