



Timely completion of prerequisite courses is imperative due to tight sequencing of major courses. Consult KU catalog and seek KU advising early.

- ❖ KU's School of Engineering will accept up to 64 transferable credit hours; the last 30 hours must be completed at KU. A total of 128 credit hours is required for the B.S.E.E. degree.
- ❖ Transfer students will have their applications to Engineering School evaluated on a case-by-case basis and must have a minimum GPA of 3.0 to be considered for electrical engineering.
- ❖ Either math ACT score greater than 27 or proof of competency in calculus by earning a "C" or better.
- ❖ Admission deadline for the School of Engineering is May 1 for fall and summer; December 1 for spring.
- ❖ Pass/Fail Policy: Not acceptable
- ❖ Only courses with grades of "C" or higher at JCCC will apply toward the degree at KU.

KU REQUIREMENTS

JCCC EQUIVALENTS

| | | | | | |
|---|-------------------------------------|-----|---|-----------------------------------|---|
| I. English (6 courses) | | | | | |
| ENGL 101 | Composition | 3 | ___ ENGL 121 | Composition I | 3 |
| ENGL 102 | Critical Reading and Writing | 3 | ___ ENGL 122 | Composition II | 3 |
| II. Communications Elective (3 hours) | | | | | |
| COMS 130 | Speaker-Audience Comm. <u>OR</u> | 3 | ___ SPD 121 | Public Speaking <u>OR</u> | 3 |
| ENGL 362 | Professional Writing | | ___ ENGL 123 | Technical Writing I | 3 |
| III. Humanities and Social Science (15 hours) (Principal Course Distribution) | | | | | |
| A. Economics | | 3-4 | ___ ECON 230 | Economics I <u>OR</u> | 3 |
| | | | ___ ECON 231 | Economics II (preferred) | 3 |
| <p>B. An additional 12 hours of Humanities/Social Science electives. JCCC courses that fulfill Humanities/Social Science requirements are listed below. Select four courses.</p> | | | | | |
| <u>Humanities</u> | | | | | |
| 1. <u>Historical Studies (HT)</u> | | | | | |
| ___ ANTH 142 | World Prehistory | 3 | ___ REL 125 | Religions of the East | 3 |
| ___ ANTH 144 | Archaeology | 3 | ___ REL 126 | Religions of the West | 3 |
| ___ HIST 128 | Medieval History | 3 | <u>Social Science</u> | | |
| ___ HIST 129 | Early Modern Europe | 3 | 1. <u>Culture and Society (SC)</u> | | |
| ___ HIST 130 | European History since 1789 | 3 | ___ ANTH 125 | Cultural Anthropology | 3 |
| ___ HIST 140 | U.S. History to 1877 | 3 | ___ GEOS 145 | World Regional Geography | 3 |
| ___ HIST 141 | U.S. History since 1877 | 3 | ___ HIST 137 | African American Studies | 3 |
| ___ HIST 160 | Modern Russian History | 3 | ___ SOC 122 | Intro to Sociology | 3 |
| ___ HIST 162 | Modern Latin America | 3 | ___ SOC 131 | Marriage and the Family | 3 |
| ___ HUM 137 | Intro to Russian Culture | 3 | ___ SOC 165 | Chinese Society: Past and Present | 3 |
| ___ ARTH 180 | Art History: Ancient to Renaissance | 3 | 2. <u>Individual Behavior (SI)</u> | | |
| ___ ARTH 184 | Art History: Twentieth Century | 3 | ___ PSYC 130 | Introduction to Psychology | 3 |
| ___ ARTH 186 | Art History: Intro to Asian Art | 3 | ___ PSYC 215 | Child Development | 3 |
| ___ MUS 121 | Intro to Music Listening | 3 | ___ PSYC 218 | Human Development | 3 |
| ___ MUS 125 | Intro to Jazz Listening | 3 | ___ SPD 120 | Interpersonal Communication | 3 |
| 2. <u>Literature and the Arts (HL)</u> | | | 3. <u>Public Affairs (SF)</u> | | |
| ___ HUM 122 | Intro to Humanities | 3 | ___ POLS 122 | Political Science | 3 |
| ___ HUM 145 | Intro to World Humanities I | 3 | ___ POLS 124 | American National Government | 3 |
| ___ HUM 155 | Classical Mythology | 3 | ___ POLS 126 | State and Local Government | 3 |
| ___ HIST 135 | Eastern Civilization | 3 | ___ POLS 132 | Intro Comp Governments | 3 |
| ___ ENGL 250 | World Masterpieces | 3 | ___ POLS 135 | International Relations | 3 |
| ___ THEA 120 | Introduction to Theater | 3 | ___ SOC 125 | Social Problems | 3 |
| 3. <u>Philosophy and Religion (HR)</u> | | | NOTE: Up to 6 hours maximum of foreign language coursework count toward humanities if student is NOT native speaker of that language. | | |
| ___ PHIL 121 | Introduction to Philosophy | 3 | | | |
| ___ PHIL 143 | Ethics | 3 | | | |
| ___ PHIL 154 | History of Ancient Philosophy | 3 | | | |
| ___ PHIL 176 | Philosophy of Religion | 3 | | | |
| ___ PHIL 210 | History of Modern Philosophy | 3 | | | |
| ___ REL 120 | Exploring World Religions | 3 | | | |

KU REQUIREMENTS**JCCC EQUIVALENTS**

| IV. Mathematics | | | |
|---|--------------------------------|---|---|
| MATH 121 | Calculus I | 5 | |
| MATH 122 | Calculus II | 5 | |
| MATH 220 | Applied Differential Equations | 3 | |
| MATH 290 | Elementary Linear Algebra | 2 | |
| | | | _____ MATH 241 Calculus I 5 _____ MATH 242 Calculus II <u>AND</u> _____ MATH 243 Calculus III 10 _____ MATH 254 Differential Equations 4 _____ MATH 246 Elementary Linear Algebra 3 |
| Students must take both MATH 242 Calculus II <u>AND</u> MATH 243 Calculus III at JCCC to count as MATH 122 at KU. | | | |

| V. Basic Science (17 hours) | | | |
|------------------------------------|----------------------------|-----|--|
| PHSX 211 | General Physics I | 4 | |
| EECS 220 | Electromagnetics I | 4 | |
| PHSX 313/316 | General Physics III/Lab | 3/1 | |
| CHEM 184 | Foundations of Chemistry I | 5 | |
| | | | _____ PHYS 220 Engineering Physics I 5 No Equivalent No Equivalent _____ CHEM 124/125 Gen Chemistry I/Lab 4/1 |

| VI. Electrical Engineering (63 hours) | | | |
|--|-------------------------------|---|--|
| EECS 140 | Intro to Digital Logic Design | 4 | |
| EECS 168 | Programming I | 4 | |
| General electives (6 hours) | | | |
| | | | No Equivalent _____ CS 200 Concepts of Prog Algorithms/C++ 4 (See catalog for prerequisite.) _____ ENGR 251 Statics <u>AND</u> 3 _____ ENGR 254 Dynamics 3 |

RECOMMENDED ONE-YEAR PROGRAM AT JCCC**FIRST SEMESTER**

| | | |
|--------------|------------------------------|----------|
| ENGL 121 | Composition I | 3 |
| MATH 241 | Calculus I | 5 |
| CHEM 124/125 | Gen Chemistry/Lab | 4/1 |
| | Humanities or Soc Sci course | <u>3</u> |
| | | 16 |

SECOND SEMESTER

| | | |
|----------|---|----------|
| ENGL 122 | Composition II | 3 |
| MATH 242 | Calculus II | 5 |
| PHYS 220 | Engineering Physics I | 5 |
| CS 200 | Concepts of Prog Algorithms/C++ <u>OR</u> | 4 |
| | Economics course | <u>3</u> |
| | | 16-17 |

SUMMER SEMESTER

| | | |
|----------|--------------|---|
| MATH 243 | Calculus III | 5 |
|----------|--------------|---|

IMPORTANT NOTE: It is recommended that a student transfer after the summer semester at JCCC.