

**Associate of Science
Bachelor of Science
Electrical & Computer Engineering**

| Cottery College—Fall Semester 1 | | Hrs | Cottery College—Spring Semester 1 | | Hrs | Cottery College—Summer Semester 1 | | Hrs |
|------------------------------------|---|---|-----------------------------------|--|-----|-----------------------------------|--|-----|
| FWS 101 First Year Writing Seminar | 3 | WRI 102 College Writing | 3 | | | | | |
| MATH 210 Calculus I | 4 | MAT 220 Calculus II | 4 | | | | | |
| CHE 210/211 General Chemistry I | 5 | Women's/Gender/Sexuality Studies Course | 3 | | | | | |
| Physical Activity Course | 1 | Humanities Course | 3 | | | | | |
| Electives | 3 | Electives | 3 | | | | | |

| Cottery College—Fall Semester 2 | | Hrs | Cottery College—Spring Semester 2 | | Hrs | Cottery College—Summer Semester 2 | | Hrs |
|---------------------------------|---|--------------------------------|-----------------------------------|--|-----|-----------------------------------|--|-----|
| PHY 205 General Physics I | 5 | PHY 206 General Physics II | 5 | | | | | |
| MAT 230 Calculus III | 4 | MAT 240 Differential Equations | 4 | | | | | |
| Fine Arts Course | 3 | Social Science Course | 3 | | | | | |
| Physical Activity | 1 | Electives | 3 | | | | | |
| Electives | 2 | | | | | | | |

| UMKC—Fall Semester 3 | | Hrs | UMKC—Spring Semester 3 | | Hrs | UMKC—Summer Semester 3 | | Hrs |
|--|---|--|------------------------|--|-----|------------------------|--|-----|
| ME 130 Engineering Graphics | 3 | ECE 228/229 Intro to Computer Design/Lab | 4 | | | | | |
| ECE 216 Engineering Computation | 4 | ECE 250 Engineering Mechanics/Thermo | 3 | | | | | |
| ECE 226/227 Logic Design/Lab | 4 | ECE 276/277 Circuit Theory I/Lab | 4 | | | | | |
| ECE 341R Applied Engineering Analysis II | 3 | CS 394R Applied Probability | 3 | | | | | |

| UMKC—Fall Semester 4 | | Hrs | UMKC—Spring Semester 4 | | Hrs | UMKC—Summer Semester 4 | | Hrs |
|--|---|--|------------------------|--|-----|------------------------|--|-----|
| ECE 334 Semiconductors & Devices | 3 | ECE 302/303 Electromag. Waves & Fields/Lab | 4 | | | | | |
| ECE 376/377 Circuit Theory II/Lab | 4 | ECE 330/331 Electronic Circuits/Lab | 4 | | | | | |
| ECE 380/381 Signals & Systems/Lab | 4 | ECE 420 Advanced Engineering Computation | 2 | | | | | |
| ECE 426/427 Microcomputer Architecture/Lab | 4 | ECE 428R/429 Embedded Systems/Lab | 4 | | | | | |
| | | ECE 466 Intro to Power Systems | 3 | | | | | |

| UMKC—Fall Semester 5 | | Hrs | UMKC—Spring Semester 5 | | Hrs | UMKC—Summer Semester 1 | | Hrs |
|---|---|--------------------------|------------------------|--|-----|------------------------|--|-----|
| ECE 358 or 474 Control or Comm Systems | 3 | ECE 403 Senior Design II | 1 | | | | | |
| ECE 402 Senior Design I | 2 | ECE 4XX Elective | 3 | | | | | |
| ECE 4XX Elective | 3 | ECE 4XX Elective | 3 | | | | | |
| ECE 4XX Elective | 3 | | | | | | | |
| CS 304WI Ethical Issues in Comp & Engr. | 3 | | | | | | | |