

## Athletic Training and Rehabilitation Sciences

### Kansas State University

|                                                                                  |                                         |
|----------------------------------------------------------------------------------|-----------------------------------------|
| Johnson County Community College Transfer Program to the Kansas State University | College of Engineering Student Services |
|                                                                                  | 785-532-5592                            |
| Computer Science, BS Cybersecurity, BS                                           | engineering@k-state.edu                 |
|                                                                                  | engg.ksu.edu/academics/undergraduate/   |

The Associate of Arts (<https://catalog.jccc.edu/degree/requirements/associate-arts/>), AA (<https://catalog.jccc.edu/degree/requirements/associate-arts/>) at JCCC is a general transfer degree and partners well with the first two years of most bachelor degree programs. Students pursuing the AA may select courses that satisfy both the AA degree requirements and lower division requirements for a bachelor's degree at four-year institutions. The elective hours within the AA allow students to complete additional general education and lower division courses required for specific majors. The AA degree requires completion of 60 credit hours. Meeting with a JCCC counselor (<https://www.jccc.edu/student-resources/counseling/academic-counseling/>) is strongly recommended for selection of appropriate courses.

- Students transferring to KSU, that complete the General Education requirements required for the Associate of Arts (AA) (<https://catalog.jccc.edu/degree/requirements/associate-arts/>), Associate of Fine Arts (AFA) (<https://catalog.jccc.edu/degree/requirements/associate-fine-arts/>) or Associate of Science (AS) (<https://catalog.jccc.edu/degree/requirements/associate-science/>) degree from JCCC will be considered to have satisfied KSU's core general education curriculum.
- Students who transfer to KSU, without completing the General Education requirements required for the Associate of Arts (AA) (<https://catalog.jccc.edu/degree/requirements/associate-arts/>), Associate of Fine Arts (AFA) (<https://catalog.jccc.edu/degree/requirements/associate-fine-arts/>) or Associate of Science (AS) (<https://catalog.jccc.edu/degree/requirements/associate-science/>) degree will have courses evaluated on a course-by-course basis toward meeting KSU requirements. To learn more about courses that satisfy KSU Core Requirements (<https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcatalog.k-state.edu%2Fcontent.php%3Fcatoid%3D60%26navoid%3D12133&data=05%7C02%7Cskhalif2%40jccc.edu%7C0dd059af84454ca6975e08dd63338e02%7C15244239dcf245e7aefd127b69fc5438%7C1%7C0%7C638775795278735424%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIlwLjAuMDAwMCIsIiAiOiJXaW4zMilslkFOlJoiTWFpbCIsIldUljoyfQ%3D%3D%7C0%7C%7C%7C&sdata=v9ntk5BuCBPTV319WNFKP8FIYo2RMqvJhTDxOuAfbQ%3D&reserved=0>) and KSU Transfer Equivalency Tool (<https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.k-state.edu%2Fadmissions%2Fundergrad%2Fmanhattan%2Fapply%2Ftransfer%2Ftools%2Fcourse-search.html&data=05%7C02%7Cskhalif2%40jccc.edu%7C0dd059af84454ca6975e08dd63338e02%7C15244239dcf245e7aefd127b69fc5438%7C1%7C0%7C638775795278762757%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIlwLjAuMDAwMCIsIiAiOiJXaW4zMilslkFOlJoiTWFpbCIsIldUljoyfQ%3D%3D%7C0%7C%7C%7C&sdata=v1LcZEq870h24EKLlW8tOJDHnk%2FJimQjb1uAc%2FI7u%2Bs%3D&reserved=0>).
- KSU Core General Education Guide (<https://www.jccc.edu/student-resources/transfer/files/transfer-guides/ksu-gen-ed-reqs.pdf>)

Computer science is the study of computing and its possibilities, ranging from theoretical foundations to applications in business, society and the sciences. The Bachelor of Science in Computer Science degree program emphasizes a broad foundation of computer organization, software engineering, distributed computing systems, data structures, programming environments and mathematics, together with electives that focus on advanced aspects and applications. An entrepreneurship option prepares graduates for entrepreneurial activities that are common in the computing industry. Cybersecurity is the study of processes for protecting systems, networks, programs and information from digital attacks. The Bachelor of Science in Cybersecurity degree program emphasizes a broad foundation of computer science with in-depth study of principles and practices for secure computing.

Admissions - Applicants must first be admitted to Kansas State University either as an incoming freshman or a transfer student. To apply for admission to Kansas State University, complete an application online at <https://www.kstate.edu/admissions/> and have official transcripts from all previous colleges sent directly to the Office of Admissions, Kansas State University, 119 Anderson Hall, Manhattan, KS, 66505-0102, or faxed to 785-532-6393 or emailed via electronic transcript service to [k-state@k-state.edu](mailto:k-state@k-state.edu). For students transferring to K-State with fewer than 24 credit hours, please also send final high school transcript and ACT or SAT scores. Admission to the College of Engineering is selective. Declaration of the desired curriculum in the College of Engineering does not guarantee admission into the degree program selected. For current admission criteria please refer to the College of Engineering website at <https://engg.k-state.edu/academics/admissions/>

- Students not admitted to the College of Engineering can enter the university Open Option program or another available college/degree program. These students can still apply to enter the College of Engineering at a later date after they have completed one full-time semester at K-State as an internal transfer student.
- Grade requirements - In addition to the university standards and policies for grades, the College of Engineering has the following standards:
- Curricula grades - See the individual engineering department sections of the K-State Undergraduate Catalog for the grade requirements for their curriculum and degree. All courses applied to degree requirements require a letter grade except for 0credit hour assembly courses.
- DirectLink - an initiative between Kansas community colleges and Kansas State University to provide future transfer students with support as they prepare to make the transition to K-State. Click here to sign up for DirectLink.
- Transferability of Courses - Many of the fundamental courses required for a degree in engineering may be obtained through pre-engineering programs at other four-year institutions or at community colleges. However, there are differences among the curricula; students electing this route should work closely with their pre-engineering advisors. Students should be aware that only half of the total Bachelor of Science degree credits may be earned at a two-year school, at least 30 credit hours must be K-State credit hours, and 20 of the last 30 must be K-State credit hours. Only courses with a grade of A, B or C will be applicable toward engineering degree requirements. The Cr and D grades are not acceptable for transfer into College of Engineering programs.
- Some K-State courses in the curriculum do not have an equivalent course at all other institutions. Please see the K-State Undergraduate Catalog for details and lists of courses. To learn more about academic credit for prior learning and advanced credit, please see K-State Advanced Standing.
- To determine which courses at a particular college or university will substitute for courses at K-State, access Transfer Equivalency on the K-State website.
- Effective Fall 2024: Students transferring to K-State, with an AA, AFA or AS degree from JCCC will be considered to have satisfied K-State Core general education curriculum.
- Effective Fall 2024: Students who transfer to K-State, without completing AA, AFA or AS degree will have courses evaluated on a course-by-course basis toward meeting K-State requirements. To learn more about courses that satisfy K-State Core requirements visit: <https://www.k-state.edu/provost/kstate-core/index.html> and <https://www.kstate.edu/admissions/undergrad/manhattan/apply/transfer/course-search.html>
- K-State Core General Education guide can be found here. Updated 10/1/24

Computer Science (CS) (B.S.) 120 hours required for the KSU B.S. degree (No more than half can be completed at JCCC - See Transferability of Courses on page 1)

Recommended JCCC Courses:

| Course Code | Course Title    | Course Hours | Transfer Code                        | Transfer Title                                                                              | Transfer Hours |
|-------------|-----------------|--------------|--------------------------------------|---------------------------------------------------------------------------------------------|----------------|
| Code        | Title           |              | Hours                                |                                                                                             |                |
| COMS 121    | Public Speaking | 3            | COMM 105<br>& COMM 106<br>& COMM 109 | Performance<br>Appreciation<br>and Public Speaking I<br>and "Public Speaking<br>1A, Honors" | 3              |
| MATH 241    | Calculus I*     | 5            | MATH 220                             | Analytic Geometry Calc<br>I                                                                 | 4              |

Program Requirements

| Course Code | Course Title                | Course Hours | Transfer Code | Transfer Title | Transfer Hours |
|-------------|-----------------------------|--------------|---------------|----------------|----------------|
| Code        | Title                       |              | Hours         |                |                |
| CIS 142     | Course CIS 142 Not<br>Found | 4            |               |                |                |



|          |                                                     |   |                  |                                                             |   |
|----------|-----------------------------------------------------|---|------------------|-------------------------------------------------------------|---|
| CS 201   | Concepts of Programming Algorithms using C#* (OR)   | 4 | CC 210 & CIS 200 | Fund Comp Programming Concepts and Programming Fundamentals | 4 |
| CS 205   | Concepts of Programming Algorithms using Java* (OR) | 4 | CC 210 & CIS 200 | Fund Comp Programming Concepts and Programming Fundamentals | 4 |
| CS 236   | Object-Oriented Programming Using C#*               | 4 |                  |                                                             |   |
| ELEC 227 | Digital Electronics II*                             | 4 |                  |                                                             |   |
| MATH 242 | Calculus II*                                        | 5 | MATH 221         | Analytic Geometry Calc II                                   | 4 |
| MATH 243 | Calculus III*                                       | 5 | MATH 222         | Analytic Geometry Calc III                                  | 4 |

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