

 <b>Information Technology (Research-Academic Computing and Technology)</b> <b>University of Kansas Job Title Definitions</b>		
<b>Job Family Definition:</b> Conducts research and/or provides functional and/or technical support of software and hardware in the conceptualization, creation, development, implementation, use, management, and storage of technology and computing for research and/or instruction.		
<b>Proposed Title</b>	<b>Description</b>	<b>Qualifications</b>
Research Informatics Developer C-06 (\$44,105 - \$66,157)  Job Code: 000566	Under close supervision, determines technology requirements and provides software development support to a research project. Participates as part of a research team in the design and implementation of applications, networks, and/or hardware with discipline specific focus. Creates and modifies documents, codes, develops graphics, and optimizes images for design changes, and makes updates to support applications' user interface, network, and/or hardware use. Tests, troubleshoots, and performs technical work required to implement solutions. Provides maintenance updates, user support, security protocols, and reports. Documents and reviews technology performance.	High school/GED and 2 years related experience OR Associate's degree and 1 year related experience OR Bachelor's degree in field related to discipline.
Research Informatics Analyst C-07 (\$49,618 - \$74,426)  Job Code: 000565	Under general supervision, works with faculty, staff, and students to develop and support technology applications or computing systems. Conceptualizes, designs/develops and implements applications with discipline specific focus. Tests, troubleshoots, codes, and performs technical work required to implement solutions. Conducts needs assessments and requirements gathering, performs data mapping, user experience design, application architecture, software and/or network installation and configuration, quality assurance, and deployment for web applications or systems. Elicits user requirements, translates them into actionable proposals, and articulates estimates for producing solutions using appropriate technology. May supervise staff or student employees. May participate in development of grant proposals and/or presentation of research findings.	High school/GED and 3 years related experience OR Associate's degree with 2 years related experience OR Bachelor's degree in field related to discipline.
Research Engineer C-09 (\$64,333 - \$99,715)  Job Code: 000563	Under minimal supervision, develops, modifies or implements large and complex hardware/software technologies. Creates, maintains, tests, troubleshoots and/or implements hardware, software and/or data systems solutions used in the support of research and instruction. Works on problems of diverse scope where analysis of situations or data requires evaluation of intangible variance factors. Uses principles, theories and concepts in the specific fields, plus, may have working knowledge of other related disciplines to provide solutions to a range of problems, and ensures solutions and/or changes are implemented. Applies experience and knowledge of scientific research or engineering principles and practices in broad areas of assignments and related fields. Plans and conducts work requiring independent judgment in the evolution, selection, and substantial adaptation and/or modification of standard techniques, procedures and criteria. Makes recommendations on technical problems and methods. Contributes to technical presentations and demonstrations at conferences and/or meetings. May participate in development of grant proposals and/or presentation of research findings. May participate in new external collaborative product development. May supervise analysts, developers and/or student employees.	High school/GED and 4 years related experience OR Associate's degree with 3 years related experience OR Bachelor's degree with 1 year of related experience OR Master's degree in field related to discipline.

<p>Research Engineer Senior C-10 (\$73,982 - \$114,673)  Job Code: 000564</p>	<p>Independently applies advanced knowledge of scientific research or engineering principles and practices in broad areas of assignments and related fields. Creates and maintains hardware and/or software solutions that support research and instruction. Uses a wide application of complex principles, theories and concepts in the specific field, plus, may have working knowledge of other related disciplines to provide solutions to a wide range of difficult problems. Makes decisions independently on technical problems and methods, and represents the project in conferences to resolve important questions. Devises new approaches to problems encountered and ensures that improvements and/or changes are implemented. Works on extremely complex problems of diverse scope where analysis of situations or data requires evaluation of intangible variance factors. Acts as a technical lead or consultant on various projects, and leads the development of potential intellectual property. Exhibits creativity, foresight and mature judgment in conducting research programs/projects. Participates and/or collaborates in grant development and reporting of research findings, and may serve an outreach role to establish research collaboration opportunities. May participate in new external collaborative product development. May present or publish research findings and serve as co-PI. May teach university courses and/or workshops. May supervise staff and/or student employees.</p>	<p>High school/GED and 5 years related experience OR Associate's degree with 4 years related experience OR Bachelor's degree with 2 years of related experience OR Master's degree with 1 year of related experience.</p>
<p>Research Architect C-11 (\$88,779 - \$137,607)  Job Code: 000561</p>	<p>Leads or coordinates design team and/or collaborates with researchers utilizing abstract, computational thinking and best practices to conceptualize, design, create, prototype, implement, and maintain network, hardware and/or software solutions that support research and instruction. Coordinates and/or collaborates with developers, analysts and/or engineers to test, troubleshoot, build, and maintain technology solutions, and to define and create user experiences. Assures creation and maintenance of system documentation, reporting, and review. Works on extremely complex problems of diverse scope where analysis of situations or data requires evaluation of intangible variance factors. Acts as a technical lead or consultant on various projects, and leads the development of intellectual property. Exhibits creativity, foresight and mature judgment in conducting research programs/projects. Participates and/or collaborates in grant development and reporting of research findings, and may serve an outreach role to establish research collaboration opportunities. May participate in new external collaborative product development. May present or publish research findings and serve as co-PI. May teach university courses and/or workshops. May supervise staff and/or student employees.</p>	<p>High school/GED and 5 years related experience OR Associate's degree with 4 years related experience OR Bachelor's degree with 2 years of related experience OR Master's degree with 1 year of related experience.</p>
<p>Research Database Admin C-09 (\$64,333 - \$99,715)  Job Code: 000562</p>	<p>Monitors, plans, and coordinates installs and maintains clients, servers, tables, databases and views. Installs server and database patches and upgrades as needed. Produces and maintains documentation on database structure, procedures and data standards. Performs backup planning, testing of recovery procedures and cloning of databases. Performs database tuning, space management, and network administration. Creates and manages indexes and reviews and optimizes SQL code as required. Audits current database structure to ensure end user permissions adhere to the principle of least access; creates and maintains users and roles. Classifies data and ensures required security measures are in place according to university policy. Researches, evaluates and selects database technologies to support business requirements. Holds a subject matter expertise in the field of study which the database technologies support.</p>	<p>High school/GED and 5 years related experience OR Associate's degree with 3 years related experience OR Bachelor's degree with 1 year of related experience OR Master's degree in field related to discipline.</p>

<p>Research QA Analyst A-10 (\$47,493 - \$71,240)</p> <p>Job Code: 000568</p>	<p>Under general supervision, analyzes and evaluates major organizational activities/problems/needs and prepares required quality assurance artifacts (test cases, suites, test data) to complete quality assurance process for the proposed solutions. Certifies the proposed solutions by performing appropriate type of testing (functional, security, data validation, regression, white/black box) that takes into account hardware, software or system functional specifications provided by end-users /stakeholders.</p>	<p>Associate degree and three years relevant experience or equivalent.</p>
<p>Research QA Analyst Senior A-11 (\$53,546 - \$82,997)</p> <p>Job Code: 000569</p>	<p>Lead automation testing initiatives using appropriate tools &amp; techniques and deliver automation testing scripts. Under minimal supervision, analyzes and evaluates major organizational activities/problems/needs and prepares required quality assurance artifacts (test cases, suites, test data) to complete quality assurance process for the proposed solutions. Certifies the proposed solutions by performing appropriate type of testing (functional, security, data validation, regression, white/black box) that takes into account hardware, software or system functional specifications provided by end-users /stakeholders. May supervise or provide leadership to staff.</p>	<p>Bachelor's degree and three years of professional experience or equivalent.</p>
<p>Research Lead Programmer A-13 (\$70,815 - \$109,764)</p> <p>Job Code: 000567</p>	<p>Under minimal supervision, works within a standards-based collaborative team environment to contribute code, provide technical support and development expertise to various development projects and applications. Prepares diagrams and application specifications to describe and document proposed system. Works with programmers/developers to coordinate development &amp; delivery of systems. May supervise or provide leadership to staff.</p>	<p>Bachelor's Degree and six years of relevant experience or equivalent.</p>
<p>Technology Lab Specialist C-06 (\$44,105 - \$66,157)</p> <p>Job Code: 000572</p>	<p>Assists with day-to-day operation of technology lab space and/or maintains technology lab equipment and materials in an academic or research setting. Supports training of faculty, staff, and students. May assist with security. Assist with conceptualizing, designing/developing and implementation of technology lab applications within a discipline specific focus. Assists with testing, troubleshooting, and technical support required to use lab technology solutions.</p>	<p>High school/GED and 3 years related experience OR Associate's degree and 2 years related experience OR Bachelor's degree and 1 year related experience.</p>
<p>Technology Lab Coordinator C-07 (\$49,618 - \$74,426)</p> <p>Job Code: 000570</p>	<p>Coordinates the implementation of technology applications within discipline specific focus for academic or research purposes. Tests, troubleshoots, and performs technical work required to support technology solutions. May procure, build, transport, operate, and maintain lab technology/equipment and materials. May oversee systems used to support discipline specific technology labs. Assists with scheduling of space and equipment for research, instruction, and other functions. Assists with security. May supervise staff and/or student employees.</p>	<p>High school/GED and 5 years related experience OR Associate's degree and 3 years related experience OR Bachelor's degree and 2 years related experience</p>
<p>Technology Lab Director C-09 (\$64,333 - \$99,715)</p> <p>Job Code: 000571</p>	<p>Independently conceptualizes, designs/develops and implements support applications within discipline specific focus for academic or research purposes. Oversees operation of technology laboratory applications in collaboration with faculty, staff and/or students. Develops and oversees training programs coordinated with discipline specific projects and needs. Creates lab schedules. May procure, build, transport, operate, and maintain lab technology/equipment and materials. Develops and gives tutorials; trains/instructs faculty and students in utilizing facility and equipment including protocols. Compiles and disseminates findings for publications, presentations, technical reports and/or administrative reports. May engage in grant writing. Supervises staff; may supervise graduate students and student employees.</p>	<p>Bachelor's degree and 5 years related experience OR Master's degree and 2 years related experience OR terminal degree in relevant field, and 1 year in management.</p>