

Occupation Profile for Computer and Information Research Scientists in Denton County, TX

Work Activities Table

The table below shows the most common work activities required by Computer and Information Research Scientists in order of importance.

Work Activity	Work Activity Description	Rank by Importance (Out of 100)
Interacting With Computers	Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.	99
Making Decisions and Solving Problems	Analyzing information and evaluating results to choose the best solution and solve problems.	91
Getting Information	Observing, receiving, and otherwise obtaining information from all relevant sources.	91
Updating and Using Relevant Knowledge	Keeping up-to-date technically and applying new knowledge to your job.	89
Analyzing Data or Information	Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts.	89
Thinking Creatively	Developing, designing, or creating new applications, ideas, relationships, systems, or products, including artistic contributions.	88
Documenting/Recording Information	Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.	84
Processing Information	Compiling, coding, categorizing, calculating, tabulating, auditing, or verifying information or data.	83
Identifying Objects, Actions, and Events	Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.	83
Communicating with Supervisors, Peers, or Subordinates	Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.	83
Interpreting the Meaning of Information for Others	Translating or explaining what information means and how it can be used.	82
Communicating with Persons Outside Organization	Communicating with people outside the organization, representing the organization to customers, the public, government, and other external sources. This information can be exchanged in person, in writing, or by telephone or e-mail.	81
Estimating the Quantifiable Characteristics of Products, Events, or Information	Estimating sizes, distances, and quantities; or determining time, costs, resources, or materials needed to perform a work activity.	80
Establishing and Maintaining Interpersonal Relationships	Developing constructive and cooperative working relationships with others, and maintaining them over time.	69
Developing Objectives and Strategies	Establishing long-range objectives and specifying the strategies and actions to achieve them.	68
Organizing, Planning, and Prioritizing Work	Developing specific goals and plans to prioritize, organize, and accomplish your work.	67
Judging the Qualities of Things, Services, or People	Assessing the value, importance, or quality of things or people.	64

Work Activity	Work Activity Description	Rank by Importance (Out of 100)
Evaluating Information to Determine Compliance with Standards	Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.	64
Scheduling Work and Activities	Scheduling events, programs, and activities, as well as the work of others.	60
Provide Consultation and Advice to Others	Providing guidance and expert advice to management or other groups on technical, systems-, or process-related topics.	57
Training and Teaching Others	Identifying the educational needs of others, developing formal educational or training programs or classes, and teaching or instructing others.	55
Monitor Processes, Materials, or Surroundings	Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.	51
Developing and Building Teams	Encouraging and building mutual trust, respect, and cooperation among team members.	47
Resolving Conflicts and Negotiating with Others	Handling complaints, settling disputes, and resolving grievances and conflicts, or otherwise negotiating with others.	46
Coordinating the Work and Activities of Others	Getting members of a group to work together to accomplish tasks.	46
Monitoring and Controlling Resources	Monitoring and controlling resources and overseeing the spending of money.	43
Inspecting Equipment, Structures, or Material	Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.	42
Guiding, Directing, and Motivating Subordinates	Providing guidance and direction to subordinates, including setting performance standards and monitoring performance.	41
Performing Administrative Activities	Performing day-to-day administrative tasks such as maintaining information files and processing paperwork.	38
Controlling Machines and Processes	Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).	36
Coaching and Developing Others	Identifying the developmental needs of others and coaching, mentoring, or otherwise helping others to improve their knowledge or skills.	33
Repairing and Maintaining Electronic Equipment	Servicing, repairing, calibrating, regulating, fine-tuning, or testing machines, devices, and equipment that operate primarily on the basis of electrical or electronic (not mechanical) principles.	31
Selling or Influencing Others	Convincing others to buy merchandise/goods or to otherwise change their minds or actions.	31
Staffing Organizational Units	Recruiting, interviewing, selecting, hiring, and promoting employees in an organization.	31
Assisting and Caring for Others	Providing personal assistance, medical attention, emotional support, or other personal care to others such as coworkers, customers, or patients.	30
Drafting, Laying Out, and Specifying Technical Devices, Parts, and Equipment	Providing documentation, detailed instructions, drawings, or specifications to tell others about how devices, parts, equipment, or structures are to be fabricated, constructed, assembled, modified, maintained, or used.	29
Performing for or Working Directly with the Public	Performing for people or dealing directly with the public. This includes serving customers in restaurants and stores, and receiving clients or guests.	24
Performing General Physical Activities	Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.	20
Repairing and Maintaining Mechanical Equipment	Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles.	19

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