CABRILLO COLLEGE
invites applications for the position of:

Computer Information Systems (CIS) Instructor - Tenure Track

SALARY:	See Position Description
OPENING DATE:	12/11/17
CLOSING DATE:	02/02/18 11:59 PM

EMPLOYMENT OPPORTUNITY:

Full-time, tenure track faculty position.

Starting Salary Range: $54,397 to $83,440 per year, salary placement determined by documented education and experience; maximum initial salary step placement on the faculty salary schedule is step 9.

Cabrillo College provides a doctoral stipend of $3,632 per year for eligible faculty.

Benefits: Cabrillo College currently provides a benefit stipend that employees apply towards benefit selections for medical, dental, life and long-term disability insurance.

Days Per Year: Faculty enjoy a 175-day work schedule.

Beginning Date: Position scheduled to begin on Monday, August 20, 2018, pending funding and Governing Board ratification. Assignments may include distance education courses, may be scheduled over summer and/or winter months, and may be scheduled at various campus locations days, evenings, and/or weekends.

About the College: Situated on Monterey Bay in the county of Santa Cruz, California, Cabrillo College is one of the most highly regarded community colleges in the state for its success in the area of transfer and career education, and currently serves approximately 12,000 students each semester. Cabrillo College transfers many of its students to three nearby universities – the University of California at Santa Cruz, San Jose State University in the heart of Silicon Valley, and California State University at Monterey Bay. Cabrillo's career education is closely connected to the nearby Silicon Valley business environment as well as that of the greater San Francisco Bay Area. Cabrillo focuses on student-centered learning and has a tradition of collegial governance.

Faculty at Cabrillo College have a long history of shared governance and participation in all levels of decision-making at the college. Cabrillo provides an excellent opportunity to learn, collaborate, create, and make a difference in the lives of its students and community.

About the Department: The Computer and Information Systems (CIS) program is a career technical education program. At Cabrillo College, the Computer and Information Systems Department is committed to quality teaching and enjoys a cohesive, mutually supportive atmosphere. The students who contact us after achieving their educational and occupational goals tell us that the instruction provided by the two programs within the Cabrillo College Computer and Information Systems Department, Computer Networking and System Administration (CNSA), and Computer Support Specialist (CSS), provided excellent preparation. Our CNSA students who meet the transfer requirement for CSU and UC programs in networking often obtain a higher grade point average at four-year colleges than students native to the four-year institutions. Maintaining high academic standards is critical to the ongoing success of our students and is; therefore, important to each and every faculty member. Our continuing goal is to always remain student-centered without sacrificing academic rigor.

About the Position: The Computer and Information Systems Department requires candidates with a

strong focus on information security that are capable of teaching the full range of freshman and sophomore-level courses and to be able to develop innovative approaches to teaching. This new faculty member will be expected to aid in the expansion of the department's participation in collaborations with local universities and secondary schools and/or develop programs funded by outside grants.

Our current curriculum includes beginning and intermediate courses in operating systems, networking protocols, system administration, network administration, as well as emerging technologies such as virtualization and security. Expansion plans include cloud computing, data science, and internet programming. We are interested in developing student-centered, innovative courses to address both the transfer and career needs of our students. Although the department has traditionally focused on the Cisco, Microsoft, and Linux platforms, the core curriculum is evolving to include such vendors as VMware, EMC, and to emphasize the growing need for information security professionals. Staying current in the field is assumed to be part of the regular duties of a CIS instructor.

In addition to teaching duties, faculty are expected to participate in duties related to the Computer Networking and System Administration/Computer Support Specialist programs (STEM Center Grant) and participatory governance such as participation in program planning, industry advisory committee meetings, curriculum design, SLO (Student Learning Outcome) assessment, office and lab hours, and participation in college-wide committees (such as serving on Academic Council, Faculty Senate, Curriculum Committee, etc.).

The tentative assignment for fall 2018 semester includes beginning and intermediate system administration and security classes, and lab hours. A listing of all Computer and Information Systems (CIS) courses and related programming courses can be found in Cabrillo's online catalog.

EXAMPLES OF DUTIES:

- Teaches core information security courses
  - Familiar with a broad range of topics in information security
  - Teaches ethical hacking and penetration testing techniques
  - Teaches computer forensics and analysis
- Teaches advanced firewalling and network security
- Teaches administration
- Teaches Cisco CCNA and other networking courses

MINIMUM QUALIFICATIONS:

Required Education from a U.S. Department of Education recognized accredited organization and licensure qualifications:

- Bachelor's degree or higher in any field **AND** two (2) years of professional experience directly related to Computer Information Systems **OR**
- Associate's degree or higher in any field **AND** six (6) years of professional experience directly related to Computer Information Systems **OR**
- The equivalent **OR**
- A lifetime California Community College Instructor credential in Computer and Related Technologies.

Equivalency

Candidates without the specified degrees listed above _must_ complete and submit an [Application for Equivalency Determination](#). Additionally, candidates must provide documentation, as part of this application process, sufficient to convince the committee that the candidate possesses the equivalent of these minimum qualifications, including the depth and breadth of discipline knowledge plus general education.

Required Professional Expertise:

- Currency and depth of knowledge in the Computer Information Systems field
- Knowledge of and commitment to teaching strategies and practices that enhance student success at community colleges, including effective use of technology
- Effective oral and written communication skills
- Demonstrated ability to teach the courses or perform the duties effectively as described above

- Demonstrated ability to communicate well with students of diverse academic, ethnic, socioeconomic, and cultural backgrounds; gender identities, sexual orientations; and students with disabilities
- Evidence of professional activities and service beyond the primary teaching assignment
- Development and review of curriculum as well as including assessments of learning
- Demonstrated ability to work cooperatively with others

<u>Desired Qualifications/Performance Expectations:</u>

- Recent successful teaching experience in at the community college level in:
  - Information Security
  - Penetration Testing and Ethical Hacking
  - Computer Forensics
  - Firewall Design and Administration
  - Network Analysis
  - Introduction to Operating Systems
  - Fundamentals of Computer Security
  - Information Storage Management (SANS)
  - UNIX/Linux Installation, Configuration and Administration
  - UNIX/Linux Network Administration
  - UNIX/Linux Security Administration
  - UNIX/Linux and/or PowerShell Programming
  - Microsoft Windows Server Administration
  - Microsoft Windows Network Administration
  - Virtualization Infrastructure
- Ability to teach occasional assignments in:
  - Introduction to UNIX/Linux
  - Microsoft Windows Client Administration
  - Introduction to Client/Server Relational Database Management Systems
  - Introduction to Managing and Securing a Web Server
  - Introduction to Programming Database-Driven Websites with PHP
  - Introduction to Internet Programming
- Familiarity with remote presentation software, such as WebEx, Zoom, and Canvas
- Experience with computer-assisted lab instruction
- Demonstrated ability to employ innovative teaching techniques and methodologies
- Experience teaching diverse student populations
- Successful online teaching experience

ADDITIONAL INFORMATION:

Selection Process: A search committee will review complete applications. Meeting minimum qualifications does not ensure an interview. Therefore, it is critical that candidates submit a detailed and complete application. When filling out the online application, it is important that you fill out all sections completely. Do not leave blank spaces, or notes saying "see resume". ***When adding attachments, please redact ALL of the following items which appear on <u>any</u> attachment before you submit it: social security number, birth date, age, gender, birth place and personal photos.*** The application and supporting materials will be used to assess each candidate's qualifications as they relate to the assignment. A limited number of candidates will be invited for an interview slated for late March, 2018. A teaching demonstration will be part of the interview.

To be considered, each candidate <u>MUST SUBMIT</u>:

1. Completed online Cabrillo College Application
2. Cover Letter, which states how the candidate specifically meets the required qualifications
3. Current job-related resume, including teaching experience, and/or related work experience.
4. Verification of education qualifications *([Foreign transcripts must be translated to determine equivalency to U.S. standards](#). Any fee for such translation is paid by the applicant.)*:
   - Transcripts from all colleges attended (unofficial transcripts, copies and downloads are acceptable). If selected, it is the responsibility of the candidate to provide official transcripts, diplomas, degrees or other documents as may be required **OR**
   - Copy of a lifetime California Community College Instructor credential in Computer and Related Technologies, front and back (if applicable) **OR**
   - An attached [Supplemental Application for Equivalency Determination](#) form and supporting documentation. (This is only necessary if candidate does not possess and submit proof of specified degrees listed in minimum qualifications OR possess and submit copy of a valid

lifetime credential.)
5. Three (3) recent job related letters of recommendation which address the candidate's ability to perform the duties of this position.
6. A brief (not to exceed two {2} pages, double spaced), clearly identified, separately attached statement describing your ideas and experiences in the use of innovative methods in the teaching of Computer and Information Systems. Include your general teaching philosophy and any ideas regarding future directions in computer networking and system administration education and customer support.

If any of the required materials are not submitted with your application packet, your application will be deemed incomplete and will not be forwarded to the committee for screening.

Please notify Human Resources if you require any special accommodation(s) in meeting these requirements.

Selection Procedure: Candidates selected for employment with Cabrillo College must agree to be fingerprinted and cleared, provide current Tuberculosis test results, provide proof of eligibility for employment in the United States and present a valid Social Security card upon hire.

Application Deadline: Application materials <u>MUST</u> be successfully submitted by 11:59 p.m. on **Friday, February 2, 2018.**

Please note: Cabrillo College will be closed beginning <u>Friday, December 22, 2017</u> and will re-open on <u>Tuesday, January 2, 2018</u>.

Cabrillo College seeks applications from all qualified individuals. It is the continuing goal of Cabrillo College to hire and retain staff that reflect the rich diversity and cultural heritage of the college district and its student body.

APPLICATIONS MAY BE FILED ONLINE AT:
http://cabrillo.edu

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Position #2017-00498
COMPUTER INFORMATION SYSTEMS (CIS) INSTRUCTOR - TENURE TRACK
RN

Computer Information Systems (CIS) Instructor - Tenure Track Supplemental Questionnaire

* 1. Please indicate how you meet the Minimum Qualifications for this position:

  ❏ Bachelor's degree or higher in any field AND two (2) years of professional experience directly related to Computer Information Systems
  ❏ Associate's degree or higher in any field AND six (6) years of professional experience directly related to Computer Information Systems
  ❏ A lifetime California Community College Instructor credential in Computer and Related Technologies.
  ❏ I do not meet any of the minimum qualifications as listed in the job bulletin, but I believe I possess qualifications that are the equivalent. I have completed and attached the Supplemental Application for Equivalency form

* 2. I have attached a brief (not to exceed two {2} pages, double spaced), clearly identified, separately attached statement describing your ideas and experiences in the use of innovative methods in the teaching of Computer and Information Systems. Include your general teaching philosophy and any ideas regarding future directions in computer networking and system administration education and customer support.

  ❏ Yes   ❏ No

* Required Question