

Curriculum Vitae

I. Professional Background

Name: Mary Ellen Weisskopf

Rank and Year Appointed to that Rank: Assistant Professor, January 1990

Year of Appointment to Graduate Faculty if applicable: 1990

Department: Computer Science

Office Address: TH N300A

Degrees (include all degrees: bachelors, masters, and doctorate), (include title of degree, year awarded, institution, major, minor, and dissertation title):

- 1) Bachelors degree:
 - Name of degree: Bachelor of Arts
 - Year conferred: 1960
 - Degree-granting institution: Vanderbilt University
 - Major field of study: Mathematics
 - Minor field of study: Philosophy
- 2) Masters or first professional degree:
 - Name of degree: Master of Science
 - Year conferred: 1980
 - Degree-granting institution: University of Alabama in Huntsville
 - Major field of study: Computer Science
 - Minor field of study: Mathematics
 - Thesis title: Not applicable
- 3) Doctoral degree
 - Name of degree: Doctor of Philosophy
 - Year conferred: 1989
 - Degree-granting institution: University of Alabama in Huntsville
 - Major field of study: Computer Science
 - Minor field of study: Mathematics
 - Dissertation title: *A Model-Based Action Representation for Multiagent Planning Systems*

Nonacademic professional experience:

- 1963-1964: Mathematician, Software Techniques Unit, General Electric Company, Huntsville, AL
- 1962-1963 Mathematician, Scientific Applications Unit, General Electric Company, Huntsville, AL
- 1961-1962 Programmer, Scientific Applications Unit, General Electric Company, Huntsville, AL

Academic experience:

1990 - present	Assistant Professor, The University of Alabama in Huntsville
1984 - 1989	Lecturer, The University of Alabama in Huntsville
1981 - 1984	Teaching Assistant, The University of Alabama in Huntsville
1980 - 1981	Part-time Instructor, The University of Alabama in Huntsville

II. Teaching Activities: Summary list of courses taught

I have developed and taught courses at all levels.

- a. CS 100 – Basic Computers and Computing
- b. CS 107 –Computer Science I using C*
- c. CS 108 – Introduction to Computer Science I using Pascal
- d. CS 113 – Introduction to Computing using Fortran
- e. CS 121 – Computer Science I using C++*
- f. CS 208 – (v1) Computer Organization and Software Systems I (using Assembly Language)
- g. CS 208 – (v2) Computer Organization and Advanced Programming I (using Pascal)
- h. CS 208 – (v3) Introduction to Computer Science II: Pascal and data structures
- i. CS 214 – Introduction to Discrete Structures
- j. CS 308 – Computer Organization and Assembly Language Programming
- k. CS 312 – Systems Software Development Using C
- l. CS 314 – Data Organization and File Processing
- m. CS 317 – Introduction to Design and Analysis of Algorithms
- n. CS 424 – Programming Languages
- o. CS 490 – (v1) Systems Software (renumbered version of CS 501)
- p. CS 490 – (v2) Introduction to Operating Systems*
- q. CS 501 – Systems Software
- r. CS 517 – Data Organization and Algorithm Analysis
- s. CS 524 – Programming Languages
- t. CS 690 – (v1) Operating Systems
- u. CS 690 – (v2) Advanced Operating Systems*
- v. CS 790 – Operating Systems Seminar*

* I was entirely, or almost entirely responsible for the development of these courses.

III. Research, Creative, and Scholarly Activity:

(List publications chronologically, by category, including authors, title, journal, volume, page, year published)

- **Books:** *Lab Manual For CS 107, Lab Manual for CS 207*. Published in-house, used from fall of 1994 through summer of 2001.
 - **Refereed Journal Articles:**
 - Timothy S. Newman, Mary Ellen Weisskopf, and Malcolm Morrison, “CS 090: The Case for a Developmental Course in Computer Science”, *The Journal of Teaching and Learning*, Vol. 4, No. 1, 1999, pp. 15-33
 - Etzkorn, L.H., Gholston, S., Weisskopf, M.E., “A Study of Student Performance in Combined Courses,” *Journal of Information Systems Education*, Vol 15 (2), July, 2004. Education Special Interest Group (EDSIG) of the Association of Information Technology Professionals (AITP)
 - Carter, Donna M, Aygun, Ramazan, Cox, Glenn, Weisskopf, Mary Ellen, Etzkorn, Letha, “The Effect of Uncontrolled Concurrency on Model Checking,” *Concurrency and Computation: Practice and Experience*, Vol20, Issue12, pp. 1419-1438, August 2008.
 - Cox, G., Hughes, William E., Etzkorn, Letha H., and Weisskopf, Mary E., “Predicting Computer Science PhD Completion: A Case Study,” *IEEE Transactions on Education*, Vol. 52, No. 1, Feb. 2009, pp.137-143. Refereed
 - **Abstracts and Papers** Delivered at Professional Meetings: none
 - **Other Publications:** none
 - **Invited Colloquia, Seminars and Presentations:** none
- Research Grants and Contracts Received: (include agency or foundation, title, dollar amount, time period)

Investigators	Title	Awarding Organization	Period of Grant	Dollar Value	Status
Letha Etzkorn, Rajgopal Kannan, Mary Ellen Weisskopf, Sara Graves	“Internet-related Systems Laboratory at the University of Alabama in Huntsville”	Cooperative Association for Internet Data Analysis (CAIDA)	Equipment grant		Awarded August 2000
Letha Etzkorn (P.I.) and Mary Ellen Weisskopf	“Improvements to the Computer Science Department Systems Laboratory”	Provost’s Instructional Minigrant	Until funds are expended	\$2,880	Awarded 5/21/99
Rajgopal Kanan, Letha Etzkorn, Mary Ellen Weisskopf, Sara Graves	“Internet-related Systems Laboratory at the University of Alabama in Huntsville”	Cooperative Association for Internet Data Analysis (CAIDA)	Until funds are expended		Not awarded
Harry Delugach (P.I.), Carl G. Davis, and Mary Ellen Weisskopf	“Developing Laboratory Materials for Introductory Java Courses”	Provost’s Instructional Minigrant		\$2,700.00	Awarded 9/18/98
Timothy Newman (P.I.) and Mary Ellen Weisskopf	“Improving Student Success in CS I and CS II”	Provost’s Instructional Minigrant		\$2,000.00	Awarded 5/14/97; Completed Spring 1999
Mary Ellen Weisskopf	Microsoft Instructional Lab Grant Program	Microsoft Corporation	1 year, renew-able for 1 year	\$65,000	Awarded in 1996; renewed in 1997 for 97-98 year

IV. Service Activities - cumulative

Committee/Activity	Period of Service	Role
Associate Chair	1997 – present	Serve as acting chair in absence of chair, process undergraduate POS, graduation applications, etc., other duties as needed
Undergraduate Curriculum Coordinator	1990-present	Responsible for course content, programmatic changes, evaluating transfer credits for equivalence, etc. Act as advisor to students who do not yet have an advisor; liaison to advisement centers.
Math Lecturers' reappointment committees	2005-present	Member
University Judicial Board	2005-2011	Member
Program Committee, 42 nd annual ACM Southeast conference	2004	Member
ABET accreditation review	2008-2009 2003-2004 2008-2009 2014-2015	Participated in preparation of self-study document by writing responses to questions related to curriculum, student advising, similar topics. Coordinated preparation of files and displays
Committee to select new chair of Computer Science Department	Spring 2000. Summer 2002	Chair
Faculty Search Committee	1995 - 2000	Member
Undergraduate Curriculum Committee	1991-present	chair
Graduate Teaching Assistant training and supervision	1993-present	Conduct organizational meetings for GTAs at beginning of each term; assign duties to GTAs; organize training sessions, etc.
Graduate Student Recruitment and Financial Aid Committee (ad hoc)	1995-present	participate in selection and recruitment of Graduate Teaching Assistants
Judge, State Science Fair	1997-present	judged computer science entries
Judging Coordinator for Computer Science, State Science Fair	2000-present	coordinated judging of senior CS entries in contest coordinated both senior math and senior CS entries 2003-2010
College of Science Undergraduate Curriculum Committee	Fall, 1999 – present	
New Student Recruitment:	ongoing	Organize displays for Open House and other recruitment activities. Meet with prospective students and parents during campus visits
University 101 Committee (charged with developing a freshman level course to improve student success and retention)	1997-1999	member Chaired by Dr. Fran Johnson
Student orientation sessions (COMPASS)	ongoing	Represent CS department at new & transfer orientations
State of Alabama Articulation and General Studies Committee	September 1996-present	Computer Science Pre-Professional Committee (member)
Search Committee for Director of Academic Advisement Center	1997-98	Member
University Task Force on the Assessment of Student Outcomes	1997– 98	Member chaired by Dr. Faye Raines
Coordinate Operating Systems section of written M.S. comprehensive and Ph.D. preliminary exam	1995 – present	Set the test questions and grade the results.
Served on numerous M.S. and Ph.D committees	1994-present	Committee member

V. Honors, Awards, and Special Recognitions:

- a. Phi Beta Kappa
- b. Phi Kappa Phi
- c. Upsilon Pi Epsilon
- d. Catherine Cooper Cater Outstanding Graduate, 1989
(Awarded by the Alabama Association of Women Deans, Administrators, and Counselors)
- e. Outstanding Computer Science Graduate (M.S.), 1980
- f. Outstanding Computer Science Graduate (Ph.D.), 1989