Educational Programs in Computational Science and Engineering at Quick Glance

School (contact)	Program Name or Participating Departments	Core Areas	Program Status	Degrees
Clemson University (steve@cs.clemson.edu (D.E. Stevenson) or warner@math.clemson.edu)	Computational Science program: Computer Science, Mathematics, Physics, Agric Engr, Textile Chem Depts	Algorithms, Architecture, Applications	Interdepartmental	MS, PhD speciality in Departments, also Undergrad-Fac Enhancement Pgm in Computational Science
George Mason University (mkafatos@compton.gmu.edu (M. Kafatos))	Institute for Computational Science and Informatics	Computational Science & Infomatics, Computational Areas, Doctoral Res	Institute	PhD in Computational Science & Informatics
Indiana University at Bloomington (bramley@cs.indiana.edu (R. Bramley))	Scientific Computation Program (22 core faculty0	High Performance Computing, Visualization, Behavior of Systems, Numerical Analysis	Graduate Program	Graduate Level Minor
Louisiana State University (tyler@lsuvm.bitnet (J.M. Tyler))	High Performance Computing Curriculum (Depts of CS and Physics & Astronomy) (6 core faculty)	Computational Methods, HPC-Intro Techniques, HPC-Determ or Stoch Simulations	Curriculum	PhD in Computer Science
Mississippi State University (rogers@ee.msstate.edu (J. Rogers))	Computational Engineering Program at Engineering Research Center (29 core faculty)	Computational Math, Applied Math, Computer Architecture, Software Tools, Applications, Scientific Computing	Separate Program and Center	MS, PhD in Computational Engineering
North Carolina State University (ref@adm.csc.ncsu.edu (R.E. Funderlic))	Center for Research in Sci Computation, (Computer Science and Mathematics Departments)	Scientific Computing, Computational Math	Interdepartmental	BS, MS, PhD in Applied Math or CS or Computational Sci and Engineering; Minor in Science and Engineering
Princeton University (609-258-3825)	Program in Applied and Computational Mathematics (8 core faculty)	Mathematical Modeling, Computational Math	Program	PHD in Applied and Computational Math
Purdue University (jrr@cs.purdue.edu (J.R. Rice))	Computational Science & Engineering program	Computational Science & Engineering	Interdisciplinary Committee	MS, PHD specialty in Departments with CS minor
Rensselaer Polytechnic Institute (flaherje@cs.rpi.edu (J.E. Flaherty))	Scientific Computation Research Center (15 core faculty)	Scientific Computing, Numerical Methods	Center and Interdisciplinary Committee	MS, PhD specialty in Departments; anticipated BS Minor
Rice University (sorensen@godzilla.cam.rice.edu or rat@rice.edu (R.A. Tapia))	Computational Science Committee	Intro to Computational Science, Numerical Analysis, Sci Computing, Architecture, Software Tools	Interdisciplinary Committee	MS, PhD in Computational Science and Engineering
Stanford University (golub@patience.stanford.edu (G. Golub))	Scientific Computing and Computational Mathematics Program (5 core faculty)	Numerical Analysis, Applied Math, relevant Computer Science	Separate Program	PhD in Scientific Computing and Computational Math
Syracuse University (gcf@nova.npac.syr.edu (G.C. Fox) or njm@nova.npac.syr.edu)	Computer & Inform Sciences,Math, Mechanical Engr, Civil Engr, Physics, Chemistry, Neurosci Depts	Intro Computational Science, Analysis of Algorithms, Methods of Numerical Analysis I	Interdisciplinary Departmental Minors	Graduate and Undergraduate Minors with Certificate in CIS
University of California at Davis/LLNL (rodrigue@llnl.gov (G.H. Rodrigue)	LLNL Depts of Applied Science and Chemistry (24 core faculty)	Classical, Cont & Stat Mechanics, Math Physics, Applied Math, Computational Math	Interdiciplinary program, Depts of Applied Science and Chemistry	PhD in Applied Science with Computational Science speciality
University of California at San Diego (peg@optimal.sdsu.edu (P.E. Gill))	Program in Scientific Computation; (Depts Appl Mech & Engr Sci, Bio, Chem, CS & E, Math, Phys)	Algorithms, Simulations, Numerical Methods	Program, Minor in Scientific Computing	PhD speciality in Departments
University of Illinois at Chicago (hanson@math.uic.edu (F.B. Hanson))	Computation Science and Applied Mathematics program	Applied Math Methods, Num & Symb Comp, Supercomputing, Queueing Th, Database Comp	Anticipated PhD Program or Center	PhD, MS, BS in Applied Mathematics & Mathematical Computer Science
University of Illinois at Urbana-Champaign (heath@cs.uiuc.edu (M. Heath))	Computational Science and Engineerng Program	Software for Par&Dist Sys, Comp Biotech, Num&Symb Comp, Physics, Chemistry, E&M, Fluid Dynamics, Comp Material Sci	Anticipated Graduate Program	PhD in Program & Area
University of Iowa (hethcote@math.uiowa.edu (H. Hethcote))	PhD Program in Applied Mathematical and Computational Sciences (28 core faculty)	Theoretical Foundations, Applied Mathematics, Specialty Area	(flexible) PhD Program	PhD in Applied Mathematical & Computational Sciences
University of Michigan (wrm@engin.umich.edu (W.R. Martin))	Laboratory for Scientific Computation	Scientific Computing, Architecture, Numerical Analysis, Parallel Algorithms	Interdisciplinary Laboratory	PhD speciality in Departments appending “and Scientific Computing”
University of Utah (crj@cs.utah.edu (C.R. Johnson) or alfeld@math.utah.edu (P. Alfeld))	Computational Engineering and Science Program Computer Science and Math Depts	Computer Science, Numerical Analysis, Modeling, Case Studies	Interdepartmental, with program anticipated	PhD with Graduate Certificates in Computational Engr and Science

More Educational Programs in Computational Science and Engineering at Quick Glance

School (contact)	Program Name or Participating Departments	Core Areas	Program Status	Degrees
Indiana University-Purdue University at Indianapolis (rchin@indyvax.iupui.edu (Ray Chin))				
Massachusetts Institute of Technology (N. Toscano, Dept Math)	Committee on Applied Mathematics (Dept Math, 12 core faculty)	Scientific Concepts, Principles and Phenomena	Interdisciplinary Committee	Undergrad and Grad
University of Arizona (brio@math.arizona.edu (M. Brio))	CSE	HPC and Applics	Interdisciplinary	PhD Minor in CSE

(primary source: J. Rice, *Educational Programs in CS&E*, **IEEE Computer Magazine**, vol. 26, pp. 10-11, October 1993;
J. R. Rice, *Academic Programs in Computational Science and Engineering*, **IEEE Computational Science and Engineering**, vol. 1 (1), p. 13-21, Spring 1994;
with added data from F. Hanson and DOE 1994 HPC Educ. Conf.)