

Computer Science (BS): Software Engineering Concentration

Program Overview & Accreditation

The Department of Computer Science in the College of Engineering at NC State University offers a Bachelor of Science in Computer Science degree. This program provides a comprehensive technical education and is accredited by the Computing Accreditation Commission of ABET (<https://www.abet.org>).

The First-Year Foundation

Students begin their academic journey by completing the standard Engineering First-Year curriculum. This foundational year includes essential coursework in the humanities, chemistry, mathematics, physics, and computing. Upon successful completion of these requirements, students apply to join the Department of Computer Science as degree-seeking students via the College's Change of Degree Application (CODA) process.

Core Curriculum & Skills

Our curriculum is designed to transform students into versatile problem solvers. Core courses provide a rigorous foundation in the social, ethical, and technical dimensions of the field, teaching students to specify, design, implement, and test complex software systems. Key areas of study include:

- Programming languages and data structures
- Software engineering and secure systems design
- Computer systems and architecture
- Theory of computation
- Teaming and professional communication

Advanced Specializations & Electives

Starting in the junior year, students consult with advisors to customize their degree through advanced electives. These courses allow for deep exploration into specialized fields, including:

- **Systems & Infrastructure:** Cloud computing, computer architecture, networks, sensor systems, and database management.
- **Intelligence & Data:** Artificial intelligence, data science, and social computing.
- **Security & Privacy:** Cryptography, privacy, and network/software security.
- **Interfaces & Media:** Computer graphics, human-computer interface design, game development, and web services.
- **Development:** Compilers, DevOps, and educational technology.

Software Engineering Concentration

The Software Engineering (SE) Concentration provides the student with the opportunity to apply deep expertise in both the theoretical basis and professional practice of software engineering including core concepts and methods, technologies and practices, and ethical and policy concerns in

pursuit of advanced degrees and careers. Students complete 21 credit hours of focused work on advanced SE topics.

Capstone Experience: The Senior Design Center

All Computer Science majors complete their degree with a semester-long team project under the auspices of the Senior Design Center. Many of these projects are supported by industrial sponsors, allowing student teams to work directly with industry representatives. This capstone experience challenges students to solve real-world technical problems while mastering the communication and process skills required for professional success.

Departmental Information

The Department of Computer Science is located in Engineering Building II on NC State's Centennial Campus.

Department of Computer Science

Contact Computer Science Academic Advising

Plan Requirements

Code	Title	Hours
Major Field of Study Requirements		
Math		
MA 141	Calculus I ¹	4
MA 241	Calculus II ¹	4
MA 242	Calculus III	4
MA 305	Introduction to Linear Algebra and Matrices	3
ST 370	Probability and Statistics for Engineers	3
Sciences		
CH 101 & CH 102	Chemistry - A Molecular Science and General Chemistry Laboratory ¹	4
PY 205	Physics for Engineers and Scientists I ¹	4
PY 208	Physics for Engineers and Scientists II	4
CSC Major		
CSC 116	Introduction to Computing - Java ¹	3
CSC 216 & CSC 217	Software Development Fundamentals and Software Development Fundamentals Lab ¹	4
CSC 226	Discrete Mathematics ¹	3
CSC 230	C and Software Tools	3
CSC 246	Concepts and Facilities of Operating Systems for Computer Scientists	3
CSC 316	Data Structures and Algorithms	3
CSC 326	Software Engineering	4
CSC 333	Automata, Grammars, and Computability	3
CSC 379	Ethics in Computing	1
CSC 492	Senior Design Project	3
Other Major		
CSC 201	Fundamentals of Applied AI ²	3
CSC 301	Problem Solving with Applied AI	3
Other Restricted Elective - Group B (p. 4)		3
ENG 331	Communication for Engineering and Technology	3
Concentration Courses/Groups/Electives		
CSC 404	Software Testing ¹	3

CSC 408	Software Product Management ¹	3
CSC SE Core (p. 2) ¹		3
CSC SE Restricted Electives (p. 2) ¹		6
SE Restricted Electives (p. 2)		6
College Requirements		
Orientation Course(s):		4
E 101	Introduction to Engineering & Problem Solving ^{1,3}	
E 102	Engineering in the 21st Century ²	
E 115	Introduction to Computing Environments ¹	
Other:		3
EC 205	Fundamentals of Economics	
or EC 201	Principles of Microeconomics	
or ARE 201	Introduction to Agricultural & Resource Economics	
General Education Program Requirements		
ENG 101 ^{1,3}		4
GEP Humanities (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		6
GEP Social Sciences (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/)		3
GEP Elective (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/)		3
GEP Health and Exercise Studies (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		2
GEP Interdisciplinary Perspectives (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/)		3
GEP Global Knowledge (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/) (verify requirement)		
World Language Proficiency (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/world-language-proficiency/) (verify requirement)		
Total Hours		121

¹ Grade of C or higher required² Grade of C minus or higher required

CSC SE Core

Code	Title	Hours
CSC 418	Software Analysis and Design	3
CSC 419	DevOps: Modern Software Engineering Practices	3
or CSC 519	DevOps: Modern Software Engineering Practices	
CSC 421	Generative AI for Software Engineering	3
CSC 454	Human-Computer Interaction	3
or CSC 554	Human-Computer Interaction	

CSC SE Restricted Elective

Code	Title	Hours
CSC SE Core (p. 2)		3
CSC 251	Python Applications	3
CSC 342	Applied Web-based Client-Server Computing	3
CSC 411	Introduction to Artificial Intelligence	3
or CSC 520	Artificial Intelligence I	
CSC 412	Compiler Construction	3

or CSC 512	Compiler Construction	
CSC 415	Software Security	3
or CSC 515	Software Security	
CSC 417	Theory of Programming Languages	3
CSC 422	Automated Learning and Data Analysis	3
or CSC 522	Automated Learning and Data Analysis	
CSC 433	Privacy in the Digital Age	3
or CSC 533	Privacy in the Digital Age	
CSC 434	Human-Centered Security	3
or CSC 534	Human-Centered Security	
CSC 440	Database Management Systems	3
or CSC 540	Database Management Concepts and Systems	
CSC 442	Introduction to Data Science	3
CSC 450	Web Services	3
CSC 455	Social Computing and Decentralized Artificial Intelligence	3
or CSC 555	Social Computing and Decentralized Artificial Intelligence	
CSC 517	Object-Oriented Design and Development	3

SE Restricted Electives

Code	Title	Hours
CSC SE Restricted Electives (p. 2)		
ANT 261	Technology in Society and Culture	3
COM 110	Public Speaking	3
COM 112	Interpersonal Communication	3
COM 201	Introduction to Persuasion Theory	3
COM 202	Small Group Communication	3
COM 211	Argumentation and Advocacy	3
COM 240	Communication Inquiry	3
COM 289	Science Communication and Public Engagement	3
COM 395	Studies in Rhetoric and Digital Media	3
or ENG 395	Studies in Rhetoric and Digital Media	
EC 351	Econometrics I	3
DSA 405	Data Wrangling and Web Scraping	1
DSA 406	Exploratory Data Analysis for Big Data	1
DSA 412	Exploring Machine Learning	1
DSA 435	Predictive Analytics for Improving Services	1
DSA 440	Introduction to APACHE Spark Using Big Datasets	1
ENG 317	Designing Networked Communications	3
ENG 421	Computer Documentation Design	3
ENG 438	Responsible Artificial Intelligence and Society	3
or STS 438	Responsible Artificial Intelligence and Society	
EI 331	Interdisciplinary Entrepreneurial Thinking I: Skills and Planning Basics	3
PHI 214	Issues in Business Ethics	3
PHI 227	Data Ethics	3
PHI 425	Introduction to Cognitive Science	3
or PSY 425	Introduction to Cognitive Science	
or PHI 525	Introduction To Cognitive Science	
or PSY 525	Introduction To Cognitive Science	
PHI 447	Philosophy, Evolution and Human Nature	3
or PHI 547	Philosophy, Evolution and Human Nature	

PS 314	Science, Technology and Public Policy	3
PSY 307	Industrial and Organizational Psychology	3
PSY 311	Social Psychology	3
PSY 340	Human Factors Psychology	3
PSY 400	Perception	3
PSY 420	Cognitive Processes	3
STS 302	Contemporary Science, Technology and Human Values	3
STS 304	Ethical Dimensions of Progress	3
STS 315	Feminist Futures	3
or WGS 315	Feminist Futures	
STS 322	Technological Catastrophes	3
STS 405	Technology and American Culture	3
SOC 301	Human Behavior	3
SOC 401	Theories of Social Interaction	3
SOC 410	Sociology of Organizations	3
ST 307	Introduction to Statistical Programming- SAS	1
ST 372	Introduction to Statistical Inference and Regression	3
ST 430	Introduction to Regression Analysis	3
ST 431	Introduction to Experimental Design	3
ST 432	Introduction to Survey Sampling	3
ST 437	Applied Multivariate and Longitudinal Data Analysis	3
ST 440	Applied Bayesian Analysis	3
ST 445	Introduction to Statistical Computing and Data Management	3
Students must be enrolled in the Business Administration Minor for these courses to count in this elective group:		
MIE 201	Introduction to Business	3
ACC 210	Concepts of Financial Reporting	3
ACC 220	Introduction to Managerial Accounting	3
ACC 280	Survey of Financial and Managerial Accounting	3
BUS 320	Principles of Finance	3
BUS 340	Information Systems Management	3
BUS 360	Principles of Marketing	3
BUS 370	Operations and Supply Chain Management	3
M 380	Doing Business Globally	3
MIE 305	Legal and Regulatory Environment	3
MIE 310	Entrepreneurial Value Creation	3
MIE 330	Managing People	3

CSC Restricted Electives

Code	Title	Hours
CSC 236	Computer Organization and Assembly Language for Computer Scientists	3
CSC 302	Introduction to Numerical Methods	3
or CSC 580	Numerical Analysis I	
CSC 342	Applied Web-based Client-Server Computing	3
CSC 401	Data and Computer Communications Networks	3
or CSC 573	Internet Protocols	
CSC 402	Networking Projects	3
CSC 405	Computer Security	3

CSC 406	Architecture Of Parallel Computers	3
or CSC 506	Architecture Of Parallel Computers	
CSC 408	Software Product Management	3
CSC 411	Introduction to Artificial Intelligence	3
or CSC 520	Artificial Intelligence I	
CSC 412	Compiler Construction	3
or CSC 512	Compiler Construction	
CSC 414	Foundations of Cryptography	3
or CSC 514	Foundations of Cryptography	
CSC 415	Software Security	3
or CSC 515	Software Security	
CSC 416	Introduction to Combinatorics	3
CSC 417	Theory of Programming Languages	3
CSC 418	Software Analysis and Design	3
CSC 419	DevOps: Modern Software Engineering Practices	3
or CSC 519	DevOps: Modern Software Engineering Practices	
CSC 422	Automated Learning and Data Analysis	3
or CSC 522	Automated Learning and Data Analysis	
CSC 431	File Organization and Processing	3
CSC 433	Privacy in the Digital Age	3
or CSC 533	Privacy in the Digital Age	
CSC 440	Database Management Systems	3
or CSC 540	Database Management Concepts and Systems	
CSC 442	Introduction to Data Science	3
CSC 447	Introduction to Cloud Computing	3
or CSC 547	Cloud Computing Technology	
CSC 450	Web Services	3
CSC 451	Robot Motion Planning	3
CSC 453	Introduction to Internet of Things (IoT) Systems	3
CSC 454	Human-Computer Interaction	3
or CSC 554	Human-Computer Interaction	
CSC 455	Social Computing and Decentralized Artificial Intelligence	3
or CSC 555	Social Computing and Decentralized Artificial Intelligence	
CSC 456	Computer Architecture and Multiprocessors	3
or CSC 506	Architecture Of Parallel Computers	
CSC 461	Computer Graphics	3
or CSC 561	Principles of Computer Graphics	
CSC 462	Advanced Computer Graphics Projects	3
or CSC 562	Introduction to Game Engine Design	
CSC 467	Introduction to Quantum Algorithms	3
CSC 469	Quantum Programming	3
CSC 471	Modern Topics in Cybersecurity	3
CSC 472	Cybersecurity Practicum	3
CSC 474	Network Security	3
or CSC 574	Computer and Network Security	
CSC 481	Game Engine Foundations	3
or CSC 581	Game Engine Foundations	
CSC 482	Advanced Computer Game Projects	3
CSC 484	Building Game AI	3
or CSC 584	Building Game AI	

CSC 486	Computational Visual Narrative	3	DSC 410	Data Internship Preparation for Social Impact	1
CSC 490	Independent Study in Computer Science	1-6	DSC 412	Exploring Machine Learning	1
CSC 491	Special Topics in Computer Science	1-6	EC 3**		
CSC 499	Independent Research in Computer Science	1-6	EC 4**		
CSC 501	Operating Systems Principles	3	EC 5**		
CSC 503	Computational Applied Logic	3	ECE 3** (except for ECE 309)		
CSC 505	Design and Analysis Of Algorithms	3	ECE 4**		
CSC 510	Software Engineering	3	ECE 5**		
CSC 517	Object-Oriented Design and Development	3	EED 401	Teaching Undergraduate Engineers	3
CSC 530	Computational Methods for Molecular Biology	3	or EED 501	Teaching Undergraduate Engineers	
CSC 537	Systems Attacks and Defenses	3	EED 411	Societal Foundations for Engineering Education	3
CSC 541	Advanced Data Structures	3	or EED 511	Societal Foundations for Engineering Education	
CSC 542	Neural Networks and Deep Learning	3	EED 414	Ethics for Engineering Education	3
CSC 546	Management Decision and Control Systems	3	or EED 514	Ethics for Engineering Education	
CSC 548	Parallel Systems	3	EED 495	Special Topics in Engineering Education	1-3
CSC 563	Visual Interfaces for Mobile Devices	3	EED 502	Engineering Education : Content, Assessment, and Pedagogy	3
CSC 565	Graph Theory	3	EED 509	Field Experiences in Engineering Education	3
CSC 568	Enterprise Storage Architecture	3	EED 595	Special Topics in Engineering Education	1-3
CSC 570	Computer Networks	3	EMS 480	Teaching Mathematics with Technology	3
CSC 572	Optimizations and Algorithms	3	GC 320	3D Spatial Relations	3
CSC 575	Introduction to Wireless Networking	3	GC 350	Applied CAD/D and Geometric Controls	3
CSC 576	Networking Services: QoS, Signaling, Processes	3	GC 420	Visual Thinking	3
CSC 577	Switched Network Management	3	GN 5**		
CSC 578	LTE and 5G Communications	3	ISE 311	Engineering Economic Analysis	3
CSC 582	Computer Models of Interactive Narrative	3	ISE 361	Deterministic Models in Industrial Engineering	3
CSC 583	Introduction to Parallel Computing	3	ISE 4**		
CSC 591	Special Topics In Computer Science	1-6	ISE 5**		
CSC 595	Cybersecurity Practicum	3	LOG 335	Symbolic Logic	3
ECE 482	Engineering Entrepreneurship Senior Design I	3	LOG 435	Advanced Logic & Metamathematics	3
ECE 483	Engineering Entrepreneurship Senior Design II	3	LOG 535	Advanced Logic and Metamathematics	3
MA 414	Foundations of Cryptography	3	MA 302	Numerical Applications to Differential Equations	1
MA 416	Introduction to Combinatorics	3	MA 341	Applied Differential Equations I	3
ST 442	Introduction to Data Science	3	MA 351	Introduction to Discrete Mathematical Models	3

Other Restricted Elective - Group B

Code	Title	Hours			
CSC Restricted Elective Courses		1-6	MA 401	Applied Differential Equations II	3
ACC 310	Intermediate Financial Accounting I	3	MA 402	Mathematics of Scientific Computing	3
ACC 311	Intermediate Financial Accounting II	3	MA 403	Introduction to Modern Algebra	3
ACC 330	An Introduction To Income Taxation	3	MA 405	Introduction to Linear Algebra	3
ACC 340	Accounting Information Systems	3	MA 407	Introduction to Modern Algebra for Mathematics Majors	3
ARS 306	Music Composition with Computers	3	MA 408	Foundations of Euclidean Geometry	3
BUS 320	Financial Management	3	MA 410	Theory of Numbers	3
BUS 340	Information Systems Management	3	MA 412	Long-Term Actuarial Models	3
BUS 360	Marketing Methods	3	MA 413	Short-Term Actuarial Models	3
BUS 4**			MA 425	Mathematical Analysis I	3
CHE 435	Process Systems Analysis and Control	3	MA 426	Mathematical Analysis II	3
CHE 465	Colloidal and Nanoscale Engineering	3	MA 427	Introduction to Numerical Analysis I	3
CSC 427	Introduction to Numerical Analysis I	3	MA 428	Introduction to Numerical Analysis II	3
CSC 428	Introduction to Numerical Analysis II	3	MA 430	Mathematical Models in the Physical Sciences	3
DSC 405	Data Wrangling and Web Scraping	1	MA 432	Mathematical Models in Life Sciences	3
DSC 406	Exploratory Data Analysis for Big Data	1	MA 437	Applications of Algebra	3
			MA 5**		

MAE 3**		
MAE 4**		
MAE 5**		
MIE 3**		
MIE 4**		
MSE 3**		
MSE 4**		
MSE 5**		
MUS 306	Music Composition with Computers	3
NE 3**		
NE 4**		
NE 5**		
OR 5**		
PHI 425	Introduction to Cognitive Science	3
PSY 307	Industrial and Organizational Psychology	3
PSY 340	Human Factors Psychology	3
PSY 400	Perception	3
PSY 420	Cognitive Processes	3
PSY 425	Introduction to Cognitive Science	3
PY 4**		
PY 5**		
ST 372	Introduction to Statistical Inference and Regression	3
ST 4**		
ST 5**		

Semester Sequence³

First Year

Fall Semester		Hours
CH 101	Chemistry - A Molecular Science	4
& CH 102	and General Chemistry Laboratory ¹	
E 102	Engineering in the 21st Century ²	2
E 115	Introduction to Computing Environments	1
ENG 101	Academic Writing and Research ²	4
MA 141	Calculus I ¹	4
Hours		15

Spring Semester

CSC 116	Introduction to Computing - Java ¹	3
CSC 201	Fundamentals of Applied AI ²	3
E 101	Introduction to Engineering & Problem Solving ²	1
MA 241	Calculus II ¹	4
PY 205 & PY 206	Physics for Engineers and Scientists I and Physics for Engineers and Scientists I Laboratory ¹	4
Hours		15

Second Year

Fall Semester		
CSC 216 & CSC 217	Software Development Fundamentals and Software Development Fundamentals Lab ¹	4
CSC 226	Discrete Mathematics ¹	3
CSC 301	Problem Solving with Applied AI	3

MA 242	Calculus III	4
GEP Health and Exercise Studies (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1

Hours	15
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Spring Semester

CSC 230	C and Software Tools	3
CSC 316	Data Structures and Algorithms	3
MA 305	Introduction to Linear Algebra and Matrices	3
PY 208	Physics for Engineers and Scientists II	4
GEP Requirement (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/)		3

Hours	16
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Third Year

Fall Semester

CSC 326	Software Engineering ¹	4
CSC 333	Automata, Grammars, and Computability	3
SE Core (p. 2) ¹		3
ST 370	Probability and Statistics for Engineers	3
SE Restricted Elective (p. 2)		3

Hours	16
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Spring Semester

CSC 246	Concepts and Facilities of Operating Systems for Computer Scientists	3
CSC 379	Ethics in Computing	1
CSC 404	Software Testing ¹	3
ENG 331	Communication for Engineering and Technology	3

GEP Health and Exercise Studies (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Other Restricted Elective - Group B (p. 4)		3

Hours	14
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Fourth Year

Fall Semester

CSC 408	Software Product Management ¹	3
CSC SE Restricted Elective (p. 2) ¹		3
GEP Requirement (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/)		3
GEP Requirement (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/)		3
EC 205	Fundamentals of Economics	3
or EC 201	or Principles of Microeconomics	
or ARE 201	or Introduction to Agricultural & Resource Economics	

Hours	15
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Spring Semester

CSC 492	Senior Design Project	3
CSC SE Restricted Elective (p. 2) ¹		3
SE Restricted Elective (p. 2)		3
GEP Requirement (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/)		3

GEP Requirement (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/)	3
Hours	15
Total Hours	121

¹ A grade of C or higher is required.

² Grade of C- or higher required.

³ One of the following two conditions regarding the major GPA is required: I) the major GPA, which consists of all CSC courses attempted at NCSU, must be 2.0 or higher or II) a student whose major grade point average is below 2.0 may graduate if no CSC course used to satisfy the major requirements has a grade below a C-.

Career Opportunities

Designing computer systems, and the software that runs on them is the job of computer scientists. Computer scientists find demand for their innovation, design, analysis, testing, and engineering skills across all domains. As a direct consequence of the increasingly critical role of computers in society, the discipline of computer science has enjoyed rapid growth for many years, with the trend likely to continue.

Employment projections indicate a critical nationwide shortfall in the supply of people skilled in computing and information technology, and a resulting steady rise in demand and salaries, for decades to come. Computer Science graduates from NC State are in high demand, including by employers that are extremely selective in their national recruiting. The Cybersecurity concentration prepares students to defend our critical cyber infrastructure.

Anchoring one corner of the world-famous Research Triangle Park, and located in modern state-of-the-art teaching and research facilities on NC State's Centennial Campus, the department and its students and faculty benefit from strong and active industry partnerships. NC State Computer Science is one of the top suppliers in the nation of new graduate hires to a number of high-tech companies, including several Fortune 500 companies, some with a substantial presence in the Research Triangle. Starting salaries for our undergraduates now average over \$75,000 and show a steady increase. Opportunities are also plentiful for graduate study for those who wish to pursue the field in more depth.

Career Titles

- Architectural Drafters
- Business Intelligence Analysts
- Clinical Data Managers
- Computer and Information Scientists
- Computer and Information Systems Managers
- Computer Hardware Engineers
- Computer Network Architects
- Computer Programmer
- Computer Science Professor
- Computer Systems Analyst
- Computer Systems Engineer
- Computer User Support Specialist
- Data Warehousing Specialists
- Database Administrator
- Information Security Analysts
- Information Technology Project Managers
- IT Administrator (Information Technology)

- Mathematician
- Project Management Specialists
- Robotics Engineers
- Scientific Linguist
- Software Developer
- Software Engineer
- Technical & Scientific Publications Editor
- Technical Publications Writer
- Video Game Designer
- Web Art Director
- Webmaster

Learn More About Careers

NCCareers.org (<https://nccareers.org/>)

Explore North Carolina's central online resource for students, parents, educators, job seekers and career counselors looking for high quality job and career information.

Occupational Outlook Handbook (<https://www.bls.gov/ooh/>)

Browse the Occupational Outlook Handbook published by the Bureau of Labor Statistics to view state and area employment and wage statistics. You can also identify and compare similar occupations based on your interests.

Career One Stop Videos (<https://www.careeronestop.org/>)

View videos that provide career details and information on wages, employment trends, skills needed, and more for any occupation. Sponsored by the U.S. Department of Labor.

Focus 2 Career Assessment (<https://careers.dasa.ncsu.edu/explore-careers/career-assessments/>) (NC State student email address required)

This career, major and education planning system is available to current NC State students to learn about how your values, interests, competencies, and personality fit into the NC State majors and your future career. An NC State email address is required to create an account. Make an appointment with your career counselor (<https://careers.dasa.ncsu.edu/about/hours-appointments/>) to discuss the results.

Focus 2 Apply Assessment (<https://www.focus2career.com/Portal/Register.cfm?SID=1929>) (Available to prospective students)

A career assessment tool designed to support prospective students in exploring and choosing the right major and career path based on your unique personality, interests, skills and values. Get started with Focus 2 Apply and see how it can guide your journey at NC State.

Professional Organizations & Societies

- Associate for Computing Machinery (<https://www.acm.org/>) (ACM)
- Association of Information Technology Professionals (<http://www.aitp.org/>) (AITP)
- Institute of Electrical and Electronics Engineers (IEEE) Computer Society
- National Association of Professional Engineers (<https://www.nspe.org/>) (NSPE)