



## Computer Information Systems

### Why Major in Computer Information Systems?

The US Bureau of Labor and Statistics continues to list information technology and CIS careers as (or near) the top of the list in career growth opportunities, career satisfaction, and in entry-level salaries. Nationally, almost 150,000 additional software developers are projected to be needed in the ten-year period between 2012 and 2022. Almost 175,000 more user support specialists, systems analysts, programmers, CIS managers, and network and computer systems administrators are projected to be needed. Dozens of related fields offer additional opportunities.

*Business Insider* published the “The 25 highest-paying jobs with the most openings right now” in 2015. Among the top 25 jobs with the most openings were software engineer, database administrator, security engineer, data scientist, IT Manager, analytics manager, solutions architect, software development manager, and software architect with five of those jobs being in the top 10. *U.S. News and World Reports* published the “U.S. News 100 Best Jobs of 2015”. Listed at #3 was software developer with a range of salaries from approximately \$55,000 to over \$100,000 and 140,000 new positions over the next few years. At #7, Computer Systems Analyst is predicted to have a 24.5% growth rate with a salary range of approximately \$50,000 to over \$100,000. Finally, Information Security Analyst was listed at #8 with a 36.5% predicted growth rate and a range of salaries from approximately \$50,000 to over \$100,000.

Within Louisiana, the Louisiana Workforce Commission has named all of the following as five-star jobs (its highest ranking): Computer and Information Systems Managers, Computer Programmers, Computer Systems Analysts, Computer User Support Specialists, Network and Computer Systems Administrators, Software Developers – Applications, and Software Developers – Systems Software.

### Why Major in CIS at Northwestern State?

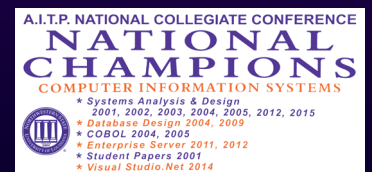
To be prepared for and recruited for one of the well-paid, enjoyable career paths. The CIS program at Northwestern State is nationally recognized for its excellence in systems analysis and design, database design and development, Internet web design and development, and object-oriented programming. The CIS program has been recognized as an Area of Excellence by the University of Louisiana system since 1999 winning 16 national titles in various areas. The CIS program has implemented curricula enabling students to seek certification in Cisco, A+, Network+, Security+, and Microsoft Office components. Several major corporations list the CIS program at Northwestern State as an exceptional CIS program and highly recruit its graduates. The Northwestern State CIS program’s prowess in these areas opens many career paths and creates special opportunities for you during your academic career and after graduation. In fact, if you already have these certifications, you may be able to receive automatic credit for some of our classes.

To meet the demand in the CIS fields, Northwestern State offers four concentrations – (1) Application Development, (2) Networking and Systems Management, (3) Web Development and (4) Core Programming. Any of these concentrations will prepare you for some of the many career opportunities listed above. We also are offering exciting, new classes in mobile applications development, data analytics, network implementation and administration, and cloud computing.

**Come join our CIS family and continue the tradition of excellence!**



- 2001 – Systems Analysis and Design
- 2001 – Student Papers
- 2002 – Systems Analysis and Design
- 2003 – Systems Analysis and Design
- 2004 – COBOL
- 2004 – Database Design
- 2004 – Systems Analysis and Design
- 2005 – COBOL
- 2005 – Systems Analysis and Design
- 2009 – Database Design
- 2011 – COBOL
- 2012 – COBOL
- 2012 – Systems Analysis and Design
- 2014 – Visual Studio.NET
- 2015 – Systems Analysis and Design
- 2016 – ICCP
- 2017 – Office Solutions



## How will I gain professionally?

As a CIS major, you will have the opportunity to get involved at the national and regional levels in the student Association of Information Technology Professionals (AITP) organization by participating in the AITP National Collegiate Conference and the AITP Region III conferences. As part of the School of Business, you will learn valuable insights into the business world which will allow you to serve as a knowledgeable link between the technology in a business and its business practices. You will have the opportunity to gain important leadership skills and develop professional traits which will propel you into an exciting and rewarding career in computer information systems and information technology.

## What will I learn?

- To design and create computer applications using visual, object-oriented languages such as JAVA, Visual Studio.Net tools, PHP, and others.
- To design and implement database management systems using database management software tools such as Microsoft SQL Server and Microsoft Access
- To analyze business data and processes using computer-aided software design tools such as Microsoft Visio
- To design and implement Internet websites using powerful current design and development platforms
- To investigate and analyze computer hardware, cell phones, and other electronic devices and use techniques to extract data from their storage units and guarantee accuracy and reliability so the evidence is suitable for presentation in a court of law
- To design and build data telecommunication networks
- To develop professional presentation skills to present your ideas

## What courses will I take?

Go to <https://www.nsula.edu/computer-information-systems/cis-degree-programs/> for a look at our curriculum and its courses.

## Come and join us!

You will feel a sense of belonging and become an integral part of our family whether you are walking into Russell Hall to join us face-to-face or communicating with us as an online student. We (the CIS faculty) want to welcome you into the "CIS Family" at Northwestern State. We look forward to working with you to identify your interests in the information systems area and then helping you identify your career path. We will help you succeed in your quest for a Bachelor of Science Degree in Computer Information Systems at Northwestern State and the resulting rewarding career in Computer Information Systems.

## Information

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## See our website for more information:

<https://cis.nsula.edu/>

Like us on Facebook (NSULA Computer Information Systems)



## Admissions

Office of Admissions  
Student Services Center  
Natchitoches, LA 71497  
318.357.4078  
800.767.8115  
[nsula.edu/admissions](http://nsula.edu/admissions)

## Recruiting

Office of University Recruiting  
Student Services Center  
Natchitoches, LA 71497  
318.357.4503  
800.327.1903  
[nsula.edu/recruiting](http://nsula.edu/recruiting)



Northwestern State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters, specialists, and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Northwestern State University.

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