

COMPUTER SCIENCE, DOCTOR OF EDUCATION

About the Doctoral Program

The Doctor of Education in Computer Science (DCS) program at Judson University graduates exemplary scholars prepared to make substantial contributions to the Computer Science field as practitioners, researchers, and thought-leaders. This doctoral program is designed for those who want to contribute to their profession as Computer Science strategists, educators, academic administrators, training and development professionals, and presenters of professional development in the Computer Science world.

Doctoral students have the opportunity to demonstrate their professional competencies through a series of distinctive benchmarks related to the program outcomes of content knowledge, research, writing, speaking, and leadership. The dissertation process is uniquely crafted to provide students with sustained support that is integrated throughout the research and writing experience.

Program Distinctives

The Doctor of Education in Computer Science combines several distinctive features to enhance graduates' learning experiences, including:

- Embedded dissertation process with integrated support throughout the program
- Embedded Curricular Practical Training (CPT) for international students
- Intentional focus on leadership and policy
- Program completed in four years
- Professors are experts in the field of education
- Embedded assessments rather than "high-stakes" comprehensive exams
- Additional amenities including parking, library services, access to numerous sporting and cultural events at no extra cost

Graduate Outcomes

Graduates of the Doctor of Education in Computer Science Will...

Deepen their Understanding

Graduates will deepen their understanding of a specific niche in the Computer Science field.

Demonstrate Scholarly Proficiency in Research

Graduates will demonstrate scholarly proficiency in conducting, critiquing, synthesizing and applying research in the field of Computer Science.

Foster Growth in the Field

Graduates will foster growth in other Computer Science practitioners that deepens their understanding of the field, encourages engagement, and promotes collaboration.

Provide Leadership in the Profession

Graduates will develop expertise for vision casting and informed decision-making.

Speak Effectively to Listeners in a Variety of Settings

Graduates will synthesize the process of preparing and organizing content for delivery that engages audiences.

Important Notes

- A minimum cumulative GPA of 3.0 is required. Students may be required to retake courses with a grade of C to maintain the major GPA.
- A maximum of 12 credit hours may transfer into the program. Courses approved for transfer must have been completed within five years of the candidate's matriculation at Judson, and the request for transfer must be made in writing to the program directors a minimum of 90 days prior to matriculation.
- Students must be approved by the Program Director of the doctoral Computer Science Program, the Division Chair of Education and the faculty for graduation.
- If the candidate has completed any course as a part of a Judson University master's program, such as ORL525 or ORL610, they must choose a different elective course to complete. Major courses may not duplicate with other programs.

Major Requirements

Code	Title	Hours
Major Core		
DCS702	Analytic Thinking and Statistics in Research	3
DCS703	Human Computer Interaction for Online Learning Systems	3
DCS705	Ethics and Compliance	3
DCS725	Data Warehouse Mining	3
DCS735	Retrieving, Processing, and Visualizing Data with Python	3
DCS745	Artificial Intelligence in Educ	3
EDD702	Methods of Research	3
EDD711	Initiating Capstone Research	3
EDD715	Seminal Studies in Computer Sci	3
EDD741	Conducting Capstone Research	3
EDD771	Quantitative Data Analysis	3
EDD791	Capstone Workshop I	3
EDD792	Capstone Workshop II	3
EDD795	Writing for Scholarly Publication	3
Major Electives		
Complete 12 credits from the following:		12
DCS530	Design Thinking for Data Visualization	
DCS535	Advanced Data Analytics	
DCS570	Innovation and Entrepreneurship	
DCS602	Enabling Technologies	
DCS615	Foundations of Machine Learning	
DCS620	Software Engineering	
ORL525	Global Leadership: Leading Across Cultures and Distance	
ORL610	Leadership, Change and Innovation	
Professional Practice		
Complete DCS691 each semester enrolled		12

Leave of Absence for International Students

Need to know facts for F-1 Visa holders:

1. This program is not 'set up' for breaks. Therefore, you cannot just skip a term. To keep your F-1 visa you must register for and attend every term. Full-time for doctoral level is 6 credit hours.
2. If you decide you want to 'take a break' from classes at Judson as a F-1 Visa holder, it is possible but please note:
 - a. You are not eligible for CPT during that break.
 - b. You cannot stay in the USA during that break.
 - c. The international office will withdraw/terminate you from SEVIS during the break. And will be able to easily reinstate you if you return within 5 months.
 - d. You must meet with the Program Director before taking the break.
 - e. Check with your Registration Advisor to make sure your desired classes will be available when you wish to return.
3. Medical Reduced Course Load – is possible. This allows you to take less credit hours or no credit hours.
 - a. You must have medical documentation of a condition that necessitates the break along with a doctor's recommendation for the break.
 - b. It must be processed by the International Office.
 - c. It can last up to 12 months.
 - d. You can stay in the USA during this time.
 - e. You would NOT be eligible for CPT during this RCL.
 - f. For more information, visit <https://studyinthestates.dhs.gov/sevis-help-hub/student-records/manage-program-dates-registration-and-course-load/reduced-course> (<https://studyinthestates.dhs.gov/sevis-help-hub/student-records/manage-program-dates-registration-and-course-load/reduced-course/>)

Federal regulations are always changing. Talk to the PDSO and check government websites for the most up to date information.

Student Handbook

Details of the above and other program policies and procedures are outlined in the DCS Student Handbook (https://myjudson.judsonu.edu/ICS/Portlets/ICS/Handoutportlet/viewhandler.ashx?handout_id=f5402906-ebd6-45c3-b370-3f3bd1229265), which may be accessed through the MyJudson student portal, on the Student Life page.