

CSCI 4890 - Computer Projects

Fall 2026 Syllabus, Section 02, CRN 40773,

Credit hours: 4

Instructor

Robert Gilliland, Ph.D.

Assistant Professor

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Public Instructor Information

Instructor Title: Robert A. Gilliland, Ph.D.

Instructor Professional Qualifications: Ph.D. in Cybersecurity, North Central University, 2021

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Course Description

4890. Computer Projects. Individualized study of a topic in computer science culminating in a written report and an oral presentation. May be repeated up to 8 s.h. of computer science (including at least 3 s.h. of upper-division CSCI courses) applicable to the minimum requirements of a computer science major, and formal project proposal. Prereq.: 24 semester hours of computer science courses (including at least 3 semester hours of upper division CSIS or CSCI courses). 2-4 s.h.

Course Readings

Group	Title	Author	ISBN
Required	no readings		

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Course Syllabus, Introduction and Project Logs		
8/31	Independent learning (and teaching)		
9/7	Reading research papers	Project Proposal Due	
9/14	Defining problems		
9/21	Literature searching		
9/28	Writing a Research Proposal		
10/5	Experiments in computer science	Introduction, Datasets, and Methods	
10/12	Data, basic statistics, and hypothesis testing		
10/19	Visualizing data		
10/26	Write a Project Report		
11/2	Meetings/work time	Preliminary/Anticipated Results	
11/9	Meetings/work time	Project Paper	
11/16	Project Presentations		
11/23	Oral communication	Dr. Gilliland	

11/30	Oral communication	Project Presentation / Poster Final Project Due by 12:59 PM Sunday, December 6, 2026
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The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.