



CpS 481
Applied Cybersecurity
Spring 2026

Instructor: Alan Hughes

Office: AL 76 (*3rd floor, east hall*)

T 10am-4pm

Office Hours: MWThF 10-10:50am
(*all appointment only*)

Email: ahughes@bju.edu

Co-Instructor: Jordan Jueckstock

Office: AL 76 (*3rd floor, east hall*)

MTWF 11:45am-12:35pm

Office Hours: MTWF 11:45am-12:35pm
(*others appointment only*)

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Course Description:

Requires the application of accumulated security knowledge to apply best practices in a variety of contexts. Course projects, including documentation, are intended to help the student transition from the classroom to the workplace.

Course Context:

The activities in this course are intended to provide a cumulative, holistic expansion of all five (5) Cybersecurity Program Learning Outcomes, with assessment focused on Cy2 (“Design, implement, and evaluate a secure computing solution”).

Course Goals:

The goals this semester are for participating students to

- Identify and plan an appropriately scoped technical research/development project strongly related to core program topic/problem areas
- Demonstrate sustained and consistent competence at making and documenting progress and at taking responsibility for agenda-setting during regular meetings with faculty mentor(s)
- Deliver the contracted project deliverables on time and according to specification
- Demonstrate critical thinking and reflection in self-evaluating the results of the project and the learning experience it provided

Schedule:

- **Weekly** graded student/mentor meetings at a time/place arranged per-student
- Project contract document due for instructor review: **5pm, Tuesday, February 17, 2026**
- Final project deliverables due for instructor review: **midnight, Friday, May 1, 2026**
- Final reflection essay due for instructor review: **midnight, Tuesday, May 5, 2026**

Grading:

- Weekly meetings assessed for good preparation and consistent progress on deliverables **[20%]**
- Project contract assessed for specificity of scope/sequence and clarity of success criteria **[15%]**
- Project deliverables assessed according to criteria agreed upon in project contract **[50%]**
- Final reflection essay assessed according to rubric/criteria posted by instructor(s) **[15%]**

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