# Networking 3A

Teacher: Mr. Bushard
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Room 112
Daily 7:45am – 9:32am
Office Hours: 7:15am – 7:45am & 2:10pm – 3:00pm

## Course Overview

The Networking 3A class will prepare students to take and pass the TestOut Security Pro certification and, optionally, the CompTIA Sec+ industry certification. It will focus on current IT security concerns and how to address them. The course is delivered via the TestOut Security Pro course. This class will also assist the MTCHS IT department with supporting student and Teacher devices.

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## Outline – Topics by Quarter

*Quarter 1*

- Security Concepts
- Threats, Vulnerabilities, and Migrations
- Cryptographic Solutions
- Identity and Access Management
- Network Architecture
- Resiliency and Site Security
- Vulnerability Management

*Quarter 2*

- Network and Endpoint Security
- Incident Response
- Protocol, App, and Cloud Security
- Security Governance Concepts
- Risk Management Processes
- Data Protection and Compliance
- Security Pro Certification

## Class Expectations

- All MTCHS Handbook policies will be followed
- Do your own work—cheating and plagiarism are not tolerated
- Students are responsible for checking due dates in PowerSchool
- In order to prepare for the internship, students will be instructed and assessed on the MTCHS Framework skills. This is done throughout the course and woven into various activities.

## Grading

Assignments are presented through Moodle links to the TestOut LabSim interface. Assignments are in the form of Videos, Demos, Labs, Practice Questions, and Tests. All Labs and Practice Question Assignments for each module will be due by midnight the night before the Module Test. Module Tests are derived from a compilation of labs and quizzes from the unit assignments. The final exam and competency for this course is the Security Pro Certification Exam.

Work supporting the MTCHS IT Department will be graded on the Technical and Employability Skills Rubric below. There will be weekly to every other week grading depending on workload.

| | | 1 remember<br>2 understand | 2 understand<br>3 apply | 4 analyze<br>5 evaluate | 5 evaluate<br>6 create |
|---|---|---|---|---|---|
| | | | | Skill Stack/Badge | Skill Stack/Certification |
| | IWS | E | N | PA | J |
| Performance Level | Insufficient Work Shown | Exposure Only | Novice | Proficient/Apprentice | Journeyman/Trainer |
| Definition of Performance Level | The student does not provide sufficient work to evaluate the essential content, knowledge, and/or skills needed to demonstrate proficiency. | With *significant* supervision and/or prompting the student can demonstrate, apply, or transfer the essential content, knowledge, and/or skills needed to demonstrate proficiency. | With *minimal prompting* and/or assistance the student can demonstrate, apply, or transfer the essential content, knowledge and/or skills needed to demonstrate proficiency. | The student can *independently* demonstrate, apply, or transfer the essential content, knowledge, and/or skills on a new task or in a new situation. | The student *consistently and independently* demonstrates the ability to analyze, integrate, or formulate progressive or new knowledge and/or skills on a new task or in a new situation. |

## Late Work, Make-Up, and Redo Policy

### Late Work

Work for the current module is considered due by midnight the day before a scheduled Module (unit) Test. Students may receive no more than 70% for any late assignment. Any missing or late assignment may be submitted up to two (2) school business days after the due date. Exceptions to this policy may be requested by the student in writing or email. The instructor will make the final determination on extension requests and will inform the student of the decision.

### Make-Up Work

Students may be allowed up to two days per unexpected absence to complete make-up work. Unexpected absences are those due to sudden illness, injuries or death in a family. In general, tests will not be rescheduled, the instructor will make this final determination on a case by case basis.

### Redos

If a student receives below a 70% on a test, a student may redo that test for a grade up to 70%. The instructor will determine the date by which the redo needs to be completed.