

**Hagerstown Community College**  
**OFFICIAL MASTER COURSE SYLLABUS DOCUMENT**

**COURSE:** IST 276 – Network Forensics 3 Credits

**INSTRUCTOR:**

**SEMESTER/YEAR:** Spring 2016

**COURSE DESCRIPTION:** This course will introduce students to the fundamentals of network forensics. Topics covered include conducting forensic acquisition and analysis, analyzing network traffic, analyzing security and network logs. Students will gain experience using various network forensic tools and complete several case studies. Prereq. IST-166

**TEXTBOOKS:** Mastering Windows Network Forensics and Investigation, 2nd Edition. Steven Anson, Steve Bunting, Ryan Johnson, Scott Pearson, Wiley Publishing, 2012. ISBN: 13: 978-1-118-16382-5.

**STUDENT LEARNING OUTCOMES:**

- Explain the foundation of network forensic investigations and analysis
- Perform a basic network forensic acquisition and analysis and accurately present the findings
- Apply critical thinking and problem solving skills to cases studies, projects, and team assignments

**TOTAL HOURS OF COURSEWORK:**

To earn one academic credit at HCC, students are required to complete a minimum of 37.5 clock hours (45 fifty-minute “academic” hours) of coursework per semester. Those hours of coursework may be completed through a combination of hours within the classroom and hours outside the classroom. Certain courses may require more than the 37.5 minimum hours of coursework per credit.

For most classes, students should expect to do at least 2 hours of coursework outside of class for each hour of in-class coursework.

**Total Hours of Coursework for IST276 is at least 112.5 hours for 3 credits.**

Hybrid

Assignment/Assessment	Hours Required
In-class instruction, including: <ul style="list-style-type: none"><li>• Final exam</li></ul>	18.75 in class
Assigned reading	26 hours of reading, taking notes, etc. out of class
Fifteen quizzes	15 hours studying out of class and taking the quiz
Three Forensic projects/labs	40 hours performing forensic

	analysis and report writing out of class
One final exams & prep	5 hours studying out of class
Ten Assignments/Papers	30 hours research, writing, and revision out of class
	Total hours=134.75