A CLOSER LOOK
BAS Network Operations


Network Operations is offered in the following locations: Sierra Vista, Pima County, Chandler, Yuma County, and Online.

Sample Courses in the Program

NETV 370 Network Design and Architecture: Introduction to modern network design and architecture. Students will learn modern network design and network architecture concepts, security in modern networks, the cost of modern networks, software defined networks (SDN), network virtualization framework (NVF), quality of service (QoS) and quality of experience concepts (QoE), Internet of Things (IoT) and Cloud infrastructures.


NETV 385 Introduction to Cyber Operations: An introduction to the concepts of cyber operations, applying fundamentals of network operations to understanding network attack and defense concepts. Students will recognize common cyber-attacks and the techniques for identifying, detecting and defending against cyber security threats. Students will learn the basics of physical, network and web security as well as standards and laws in cyber security. Legal, ethical, and privacy issues will be discussed. Students will use hands-on labs and exercises to illustrate the workings of information security technologies.

What are the Requirements to Enter the Program?

The Network Operations program requires a program application in addition to admission to The University of Arizona. The minimum entrance requirements include:

- Minimum 2.5 GPA in your most recent 60 units
- Resume
- Goal Statement
- AAS degree or employment background in Network Administration or IT field

Please review the program application and contact us if you have any questions about the transferability of your credits, your admissibility to the program, or the application process. For full application instructions, please visit http://uas.arizona.edu/admissions.

Career Outlook

Computer networks are critical parts of almost every organization. Network and computer systems administrators are responsible for the day-to-day operation of these networks. Employment of network administrators in the computer systems design and related services industry is projected to grow 20 percent from 2016 to 2026.

Potential Career Areas

- Information Technology Support & Maintenance
- Internet Transactions
- Data Processing and Maintenance
- Network Security and Analysis
- Healthcare Information Technology
- Department of Defense
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<table>
<thead>
<tr>
<th>Role</th>
<th>Average Job Salary Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Network Architect</td>
<td>$37,690 - $104,650</td>
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<td>Computer and Information Systems Manager</td>
<td>$37,690 - $139,220</td>
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<td>Computer Systems Engineer/Architect</td>
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<td>Help Desk Analyst</td>
<td>$37,690 - $84,580</td>
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<tr>
<td>Information Technician</td>
<td>$37,690 - $70,930</td>
</tr>
<tr>
<td>Internet Consultant</td>
<td>$35,000 - $60,000</td>
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<td>Internet Security Specialist</td>
<td>$50,430 - $88,170</td>
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<tr>
<td>Internet Service Provider Manager</td>
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<tr>
<td>Network Administrator/Network Engineer</td>
<td>$37,690 - $84,580</td>
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</tbody>
</table>

**Sources of Information:** United States Department of Labor: Bureau of Labor Statistics (2017)

Professor Moore has taught Digital Forensics and Incident Response courses for Capitol College, and has designed and implemented training programs in all aspects of Network Operations, Administration and Analysis. She has held positions at the Department of the Air Force, U.S. Customs and Border Protection, General Dynamics Information Technology, and Booz Allen Hamilton.

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**Average Job Salary Range**

As more students pursue their degree in Network Operations, there is a growing need to illuminate the best career paths in the field:

- **Computer Network Architect:** $37,690 - $104,650  
- **Computer and Information Systems Manager:** $37,690 - $139,220  
- **Computer Systems Analyst:** $37,690 - $88,270  
- **Computer Systems Engineer/Architect:** $64,620 - $104,650  
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“The Network Operations courses were able to provide knowledge and experience that I used to pass IT and IA industry certifications. The Cyber Threat Intelligence course taught by Sandra Moore was very applicable to security analysis and correlation of events you would come across in a networking position. Overall, my experience at UA South greatly improved my prospects and knowledge.” - Chris Harrell

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**Contact Us**

- Talk to an Enrollment Counselor today at: **520-626-1702**  
- Schedule an appointment with an Academic Advisor: [https://uas.arizona.edu/academic-advisors](https://uas.arizona.edu/academic-advisors)  
- Financial Aid Information: [https://uas.arizona.edu/financial-aid](https://uas.arizona.edu/financial-aid)