

**MESA COMMUNITY COLLEGE NETWORK ACADEMY**  
**Advisement checklist for AAS Networking System Administration /3208**

Name	Credits Required 63-67	Major Networking System Administration (3208)
SSN	Advisor/Faculty Signature Date	Catalog Yr. 20046 For Maps:

**MCC Associate of Applied Science Degree: Networking System Administration /3208**

<b>Program Prerequisites (6 credits)</b>	Credits	Grade	Semester Taken	Substitution Recommendation
CIS105 - Survey of Computer Information Systems	3			
CRE101 - Critical and Evaluative Reading I	3			
<b>I. General Education: Credits: 22-24</b>				
<b>Core Areas (12-14 Credits)</b>				
<b>English</b>				
	Credits	Grade	Semester Taken	Substitution Recommendation
ENG101 - First Year Composition and	3			
ENG102 - First Year Composition	3			
<b>Communication</b>				
COM100 - Introduction to Human Communication <b>or</b>				
COM225 - Public Speaking <b>or</b>				
COM230 - Small Group Communication	3			
<b>Mathematics</b>				
MAT150 - College Algebra/Functions(5) <b>or</b>				
MAT151 - College Algebra/Functions (4) <b>or</b>				
MAT152 - College Algebra/Functions (3)	3-5			
<b>II. General Education Distribution Area (10 Credits)</b>				
<b>Humanities and Fine Arts</b>				
PHI214 - Business Ethics (3) <b>or</b>	3			
any approved General Studies courses in the Humanities and Fine Arts Area				
<b>Social Behavioral Science</b>				
ECN111 - Macroeconomic Principles (3) <b>or</b>				
ECN112 - Microeconomic Principles	3			
<b>Natural Science</b>				
PHY101 - Introduction to Physics	4			
<b>III. Core Courses (29-31 Credits)</b>				
BPC170 - Computer Maintenance I : A+ Prep <b>or</b>				
BPC270 - Microcomputer Maintenance II	3			
CIS109AM - Networking Technology I	2			
CIS126 - Unix Operating Systems (note: any module) <b>or</b>				
CSC178 - Programming in the Unix Environment	3			
CIS162 - C Programming I (note: any module) (3)	3			
CIS163AA - Java Programming: Level I <b>or</b>				
CIS191 - Novell NetWare System Administration (note: any module) (3) <b>or</b>				
CIS 175DB - Implementing Microsoft Windows 2000 Professional (3) <b>or</b>				
MST150 - Microsoft Windows Professional (note: any module)	3			
CIS240 - Local Area Network LAN Planning and Design	3			
CIS266 - Network Service and Support	4			
CIS270 - Essentials of Network and Information Security	3			
CNT140 - Cisco Networking Basics (4) <b>or</b>				
CIS190 - Introduction to Local Area Networks	3-4			
ELE100 - Concepts of Electricity and Electronics	3			
<b>Restrictive Electives (select 12 credits)</b>				
CIS175CB - Designing a Microsoft Win 2000 Directory Services Infrastructure	2			
CIS175CC - Designing a Microsoft Windows 2000 Networking Svcs Infrastructure	2			
CIS175CE - Supporting a Microsoft Win 2000 Network Infrastructure	3			
CIS175CF - Implementing & Administering Microsoft Win 2000 Dir Services	3			
CIS175CG - Designing a Secure Microsoft Windows 2000 Network	3			
CIS238 - Advanced Unix Systems Administration	3			
CIS191- Novell NetWare System Administration	3			
MST150 - Microsoft Windows Professional (note: any module)	3			

Visit our website at <http://bii.mc.maricopa.edu>

Please consider the AAS to Bas degree pathway offered by Arizona State University  
AAS Advisement 2004 –Checklist.doc

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Effective date: Fall 2004

MST152 - Microsoft Server (note: any module)	4			
MST153WC - Windows 2003 Server Administration Level II	3			
MST155 - Implementing Windows Network Infrastructure	3			
MST157 - Implementing Windows Directory Services	3			
MST240 - Microsoft Transmission Control Protocol/Internet Protocol (TCP/IP)	3			
MST253 - Designing Microsoft Windows 2000 Directory Services Infrastructure	3			
CNT150 - Cisco Networking Router Technologies	4			
CNT160 - Cisco Switching Basics and Intermediate Routing	3			
CNT170 - Cisco Wide Area Networks (WAN) Technologies	3			
CNT200 - Cisco Networking Advanced Routing	4			
CNT210 - Cisco Networking Remote-Access Networks	4			
CNT220 - Cisco Networking Multi-Layer Switching	4			
CNT230 - Cisco Networking Troubleshooting	4			
CNT145 - Voice and Data Cabling	4			
CNT185 - Cisco Network Security	4			
CNT186 - Fundamentals of Wireless LANs	4			
CSC/EEE120 - Digital Design Fundamentals	4			
ELT131 - Digital and Logic Circuits	4			

### ASU East Bachelor of Applied Science Degree

Deficiencies that should be completed. The courses when completed at ASU can be applied as part of the restrictive electives for the AAS degree				
CET150 - Digital Systems I	3			
CET100 - Object Oriented SW Dev I <b>or</b> CET256 - C Programming for Engineering Technology	3			
<b>I. General Studies</b> (19 hrs.)	ASU	TR	FROM	GRADE
ASC315 - Numeracy in Technology	3			
ASC325 - Physical Sciences in Technology	4			
Sub Total (I)				
<b>II. BAS Area Core</b> (16 hrs.)				
IMC346 - Management Dynamics	3			
APM 301 Introductory Statistics	3			
TWC400 - Technical Communications	3			
CET354 - Micro Comp Arch & Prog	4			
CET386 - Operating Systems Principles	3			
Sub Total (II)				
<b>III. Concentration</b> (19 hrs.)				
CET3/4xx or other approved Technical Electives	7			
CET383 Shell and Script Programming with UNIX	3			
CET459 - Internet Networking Protocols	3			
CET488 - Systems Administration of Unix	3			
CET489 - Network Administration with TCP/IP	3			
Sub Total (III)				
<b>B.A.S. Degree Requirement Summary</b>				
A.A.S. Degree Block Transfer				
Normalization				
B.A.S. Area Core				
Specialization				
Assignable Credits				
Total (120 hrs)				