

RIDGEWATER COLLEGE

Hutchinson Campus

FY 2002-2003 Educational Plan

Computer System Technology

Network Systems Administration A.A.S. Degree (66 Credits)

Technical (22 credits required)

	Credits
CST 1605 Document Management	1
CST 1654 Windows Workstation Support	2
CST 1694 Structured Programming	3
CST 1725 Batch File Programming	1
CST 1795 DOS and the Command Line	1
CST 1800 Introduction to CST	1
CST 1802 Introduction to Help Desk	1
CST 1804 Configuring Applications	1
CST 1805 Introduction to Unix	2
CST 1806 Understanding Computers	3
CST 1830 Internet Basics	1
CST 1858 Introduction to LAN	2
CST 2895 Customer Service	1
OR	
RET 1150 Customer Service	1
MSET 1814 Introduction to Electricity	2

Technical Electives (24 credits required)

NetWare Administrator (Required Technicals)	17
OR	
Unix Administrator (Required Technicals)	17
OR	
Windows Administrator (Required Technicals)	22
Advisor Approved Technical Courses	2-7

NetWare Administrator Certificate (17 credits)

CST 2615 Integrating NetWare and Unix	2
CST 2622 NetWare Administration	3
CST 2623 Advanced NetWare Administration	3
CST 2624 NDS Design and Implementation	1
CST 2625 NetWare Service and Support	2
CST 2632 GroupWise 5 Administration	1
CST 2634 Integrating NetWare and Windows	2
CST 2636 Network Management	1
CST 2638 Border Manager	1
CST 2639 NetWare Web Server Administration	1

Unix Administrator Certificate (17 credits)

CST 1610 Web Server Administration	2
CST 1615 Introduction to Perl	3
CST 2605 Unix System Administration	2
CST 2608 Advanced Unix Administration	2
CST 2615 Integrating NetWare and Unix	2
CST 2617 Integrating Windows and Unix	2
CST 2618 Sendmail Administration	2
MMDT 1021 Internet and the Web	2

Windows Administrator Certificate (22 credits)

CST 1072 Installing/Configuring/Administering Operating System	3
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CST 1074 Installing/Configuring and Administering Server	3
CST 1076 Network Infrastructure	4
CST 1170 Implementing/Administering Directory Services Infrastructure	3
CST 1172 Implementing and Administering Network Security	3
CST 1174 Designing Directory Services Infrastructure	3
CST 1176 Designing Network Security	3

Technical Electives

ADS 1001 Keyboarding I/Word Processing	2
ADS 1002 Keyboarding II/Word Processing	2
ADS 1022 WordPerfect	2
ADS 2030 Microsoft Word	2
CST 1601 Databases and Record Management	2
CST 1602 Adv. Databases and Record Management (Oracle)	2
CST 1620 C++ Programming	5
CST 1640 Introduction to Java	5
CST 1641 Advanced Java I	4
CST 1642 Advanced Java II	4
CST 1743 Introduction to Artificial Intelligence	2
CST 1752 Introduction to Diagnostics	3
CST 1834 Digital Circuits	3
CST 2601 Visual Basic I	3
CST 2602 Visual Basic II	3
CST 2603 Advanced Peripherals	3
CST 2604 A+ Certification Prep	3
CST 2612 Advanced PERL	2
CST 2613 JavaScript, JScript, and SSI	2
CST 2614 Advanced HTML	2
CST 2616 PC Help Desk	3
CST 2837 Independent Study	1 - 12
CST 2856 Introduction to I/O	3
CST 2881 CST Internship	1 - 8
GSWS 1401 Employment Preparation	1
MMDT 1021 Internet and the Web	2
MMDT 1070 Networking Essentials for the Web	4
MSET 1730 Intermediate Electronics	3
MSET 1814 Basic Electricity	2

Total Technical Credits..... 46

General Education (7 credits required)

Category 4	Mathematical/Logical Reasoning
MATH 109	Elements of Algebra & Trigonometry .. 4

OR

MATH 112 College Algebra4

Category 6 Humanities and Fine Arts

PHIL 110 Logic and Critical Thinking.....3

General Education Electives (13 credits required)

Advisor Approved General Education Courses 13

General Education courses will be selected from at least three (3) of the ten (10) goal areas of the Minnesota Transfer curriculum. Refer to a current college catalog for a listing of the goal areas and courses assigned. Courses can be taken from any of the ten (10) goal areas.

Total General Education/Studies Credits20