

IDAHO STATE UNIVERSITY COLLEGE OF TECHNOLOGY

PROGRAM TITLE: INFORMATION TECHNOLOGY SYSTEMS

Information included in this handout may change at anytime without notice and should not be considered as a binding contract between Idaho State University and students.

Program Options & Length:

Computer Network Technician, Technical Certificate	2 Semesters
Computer Network Technician, Advanced Technical Certificate	3 1/2 Semesters
Information Technology Systems, Associate of Applied Science degree	4 1/2 Semesters

Entry dates for this program:
August and January

Approximate cost for books, tools, & supplies: \$1,376.00
(See below for registration fees.)

For more information, Contact:

Idaho State University
College of Technology
Student Services Office
Campus Box 8380
Pocatello, ID 83209-8380
208-282-2622
e-mail: ctech@isu.edu
www.isu.edu/ctech/

Job Description: Information Technology Systems graduates repair and service office machines such as computers, computer networks, calculating machines, typewriters, fax, scanners, laser jets, printers, copy machines and electronic cash registers. They use hand tools, operate machines to test moving parts and to listen to sounds of the machine to locate trouble, disassemble machines and examine parts such as gears, then replace or repair parts, clean, oil and reassemble. Service personnel may give instructions on operation and care of machines to machine operators and may assemble new machines.

Aptitudes and Interests: Workers should be willing to accept responsibility for quality of work; be tactful, patient and courteous in dealing with people. Enjoy electronic and mechanical work involving the use of tools and equipment.

Educational Requirements: Completion of high school or GED is required.

Helpful High School Courses:

Electronics	Industrial Arts	Keyboarding
Machine Shop	Mathematics	Mechanical Drafting
Speech		

Related Occupations:

Appliance Service person	Calculating Machine Service person
Cash Register Service person	Computer Technician
Copier Service person	Typewriter Service person

TUITION AND FEES

Fees apply to the current Idaho State University fee schedule located at <http://www.isu.edu/finserv/costinfo.shtml>.

Fees include **mandatory** student health insurance, any student with existing health insurance coverage may be exempt and waivers are available at <http://www.isu.edu/stuhlth/insurance/pp.html>.

ADMISSION STEPS

- Complete and return an Application for Admission along with a check or money order for \$40 (non-refundable), payable to Idaho State University. You may also apply online via the Idaho State University home page: www.isu.edu . Click on Prospective Students.
- Submit official college transcripts, if applicable, from each accredited institution of higher education that you have attended.
- Submit an official copy of your high school transcript or GED scores (Not required if you have completed and submitted proof of 14 or more academic credits from an accredited institution of higher education.)
- Meet with a College of Technology counselor, if desired, to obtain more in-depth information. To make an appointment, call (208)282-2622.
- Either:
 1. Complete the COMPASS Placement test. This test enables us to place you in the appropriate classes to enhance your success in college.
 2. Submit ACT/SAT scores, valid for seven (7) years from the date of testing. ACT scores are not required for acceptance to the College of Technology, however they are required to qualify for some scholarships
- Apply for financial aid if needed. Questions, call (208) 282-2756.
- Former College of Technology students who have been out of school one semester or more must complete the necessary forms in the Student Services office before returning to the program. Re-entering student must meet the requirements as outlined in the catalog effective at the date of their re-enrollment.

Idaho State University subscribes to the principles and laws of the State of Idaho and the federal government, including applicable executive orders pertaining to civil rights. All rights, privileges, and activities of the University are made available without regard to race, creed, color, sex, age, disability, national origin or veteran status. The University is an Equal Opportunity and Affirmative Action employer. Evidence of practices that are not consistent with such a policy should be reported to: Leonard E. "Buddy" Frazier, Affirmative Action Director; Museum Building, Room 422 Box 8315.E-mail frazleon@isu.edu, (208) 282-3964.

Idaho State University is committed to equal opportunity in education for all students, including those with documented disabilities. If you have a diagnosed disability or if you believe that you have a disability that might require reasonable accommodations, please contact: Dennis J. Toney, ADA Disabilities and Resource Center Director; Gravely Hall, Room 123 Box 8121.E-mail tonedenn@isu.edu, (208)282-3599.

Licensure, certification, and/or employment applications related to some degree programs require students to disclose any history of criminal prosecution which may include the student's driving record. Students who have a criminal history are strongly encouraged to contact the licensing agency or meet with the coordinator of the program they are interested in, prior to beginning classes, to discuss potential impediments to licensure, certification, or employment.

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COURSE SEQUENCE

The course sequence for the Information Technology Systems program is not yet available. The following is a list of the required courses for each certificate and for the Associate of Applied Science degree.

Technical Certificate: Computer Network Technician
 (2 Semesters)

Required Courses:

ITS 100	Computer System Troubleshooting and Analysis	3 cr
ITS 110	Networking Basics	3 cr
ITS 120	Introduction to Unix	3 cr
ITS 130	Basic Electronic Concepts	4 cr
ITS 150	Networking I	3 cr
ITS 160	Networking II	3 cr
ITS 170	Computer Peripheral Equipment	3 cr
ITS 180	Network Operating Systems	3 cr
TGE 158	Employment Strategies	2 cr
MANT 135	Work Place Relations	3 cr
TOTAL:		30 cr

Advanced Technical Certificate: Computer Network Technician
 (3 1/2 Semesters)

Required Courses:

ITS 100	Computer System Troubleshooting and Analysis	3 cr
ITS 110	Networking Basics	3 cr
ITS 120	Introduction to Unix	3 cr
ITS 130	Basic Electronic Concepts	4 cr
ITS 150	Networking I	3 cr
ITS 160	Networking II	3 cr
ITS 170	Computer Peripheral Equipment	3 cr
ITS 180	Network Operating Systems	3 cr
ITS 200	Data Cabling	7 cr
ITS 210	Customer Relations Practicum	2 cr
ITS 220	Networking III	3 cr
ITS 230	Wireless Technologies	3 cr
ITS 240	Securing the LAN	3 cr
TGE 151	152 Technical Writing I, II	4 cr
TGE 158	Employment Strategies	2 cr
MANT 135	Work Place Relations	3 cr
TOTAL:		52 cr

Associate of Applied Science Degree: Information Technology Systems
 (4 1/2 Semesters)

Required Courses:

ITS 100	Computer System Troubleshooting and Analysis	3 cr
ITS 110	Networking Basics	3 cr
ITS 120	Introduction to Unix	3 cr
ITS 130	Basic Electronic Concepts	4 cr
ITS 150	Networking I	3 cr
ITS 160	Networking II	3 cr
ITS 170	Computer Peripheral Equipment	3 cr

ITS 180	Network Operating Systems	3 cr
ITS 200	Data Cabling	7 cr
ITS 210	Customer Relations Practicum	2 cr
ITS 220	Networking III	3 cr
ITS 230	Wireless Technologies	3 cr
ITS 240	Securing the LAN	3 cr
MANT 131	Quality Customer Service	3 cr

Technical General Education course required for A.A.S.:

TGE 158	Employment Strategies	2 cr
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General Education Requirements:

ENGL 101	English Composition	3 cr
Goal 2		3 cr
Goal 3		3 cr
Goals 6, 7, 9, 10A, 11 and 12		3 cr
Additional Credits from Goals 4-12		4 cr

TOTAL: 64 cr

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BOOK AND TOOL LIST

Textbooks may be purchased at the University Bookstore located at the Pond Student Union - Building #14. Textbooks may also be purchased or reserved on-line through www.efollett.com or the bookstore's website at www.isu.edu/bookstor. Payments may be made with cash, check, VISA, MasterCard, American Express, or Discover. A shipping charge will be added for mail orders. See the bookstore's website for more information on purchasing or reserving books or for refund policy information. **Save Your Receipts!**

**Approximate total book and tool costs for this program's options are listed below.
Additional book costs will vary depending on the courses taken to fulfill
general education requirements for the AAS degree.
For a breakdown of books by individual class requirements, you must check your course curriculum.**

NOTE: PRICES ARE SUBJECT TO CHANGE AT ANYTIME WITHOUT PRIOR NOTIFICATION

I. TOOLS - Talk with Program Coordinator before purchasing tools.

The following tools are necessary for all stages of the program. They may be purchased on the second day of class from the following vendor:

IDAHO INSTRUMENT
624 4th Avenue W, P O Box 793
Twin Falls ID 83303-0793
208.733.5636 or 800.870.5636
Email: idinst@idahoinstrument.com

QUANTITY	DESCRIPTION	APPROX PRICE
1	Double Pallet Tool Case	100.00
1 ea	Digital Multimeter/Holster (TPI 133)	57.00
1 ea	Solder Iron & Tip (Weller WP35)	72.00
1	Solder Stand	6.00
1 ea	5 1/2 " Long Nose Pliers (Klein D335-5)	30.00
1 ea	5" Diagonal Cutter (Klein D202-5)	27.00
1 ea	Wire Stripper (Klein 11046)	16.00
1	Allen Wrench Set (Klein 70581)	6.00
1 ea	Electrical Scissors (Klein 2100-7)	18.00
1 ea	4" Adj Wrench (Klein D506-4)	26.00
1 ea	3/16" Nut Driver (Klein S6)	8.00
1 ea	1/4" Nut Driver (Klein S8)	8.00
1 ea	Stubby Phillips (Klein 603-1)	8.00
1 ea	#0 Phillips (Wiha 26105)	4.00

1 ea	3/32 Slotted Screwdriver (Wiha 26025)	3.00
1 ea	Magnetizer (Wiha 40010)	7.00
1 ea	Dynamic Handle (Wiha 10810)	6.00
1 ea	Rev Driver Blade (Wiha 28473)	7.00
1 ea	Rev Driver Blade (Wiha 28474)	7.00
1 ea	Test Leads (Oldaker 518-6)	14.00
1 ea	Alligator Clips (Oldaker 458-1)	3.00
1 ea	Hook-It Probes (Oldaker 497-3)	7.00
1 ea	Gas/Cushion Plier (Ames 1106725)	44.00
1 ea	Ball Pein Hammer (Ames 1303840)	20.00
1 ea	Tweezer, Straight (Ames 1304800)	11.00
1 ea	Stainless Rule (Ames 1307650)	6.00
1 ea	Screwstarter 3, 4, 5 (Ames 1404260)	14.00
1 ea	Springhook, Dbl End (Ames 1307345)	6.00
2 ea	Squeeze Bottle (Ames 2700620)	5.00
2 ea	Captive Springhook (Ames 2106320)	8.00
2 ea	Springhook, Large (Ames 2106420)	6.00
1 ea	Modular Crimp Tool (Philmore WS468)	39.00
1 ea	Impact Tool, 110 Blade (Philmore 75-238)	57.00
1 ea	Locking Hemostat	6.00
1 ea	AA Mini Mag Lite	23.00
1 ea	PC Guide/Tech Ref	22.00
1 ea	Static Mat, 19x23	25.00
1 ea	Anti-Static Wrist Strap (Philmore ICP)	10.00
1	Flip-Top Box	3.00
APPROXIMATE TOTAL TOOLS		\$745.00

IDAHO INSTRUMENT offers a discount on all tools purchased through them:

DISCOUNTED COST	\$633.00
TAX	\$ 38.00
TOTAL FOR TOOLS	\$671.00

II. BOOKS

DESCRIPTION		APPROXIMATE PRICE
ITS 100 COMPUTER SYSTEM TROUBLESHOOTING AND ANALYSIS		
IT ESSEN ETC (W/CD)	1587131998	82.00
IT ESSENTIALS PC HARDWARE & SOFTWARE	1587131981	41.00
ITS 110 NETWORKING BASICS		
EXPLORATION 1 NETWORK FUND:CCNA (W/GUIDE & CD)	1587055621	92.00
ITS 130 BASIC ELECTRONIC CONCEPTS		
ELECTRONICS TECH FUND:ELECTRON FLOW	0135013458	119.00
ITS 150 NETWORKING I		
EXPLORATION 2:ROUTING PROTOCOLS	1587055195	96.00
ITS 160 NETWORKING II		
EXPLORATIONS 3 LAN SWITCHING & WIRELESS:CCNA	1587055201	71.00
ITS 180 NETWORK OPERATING SYSTEMS		
IT ESSEN II (LAB COMPANION)	1587130960	43.00
IT ESSEN II (W/CD)	1587130977	81.00
APPROXIMATE TOTAL BOOKS		\$625.00

III. SUPPLIES AND OTHER EXPENSES

DESCRIPTION		APPROXIMATE PRICE
3 each	Binders, 3-ring, 3"	17.00
1 each	Calculator, Texas Instruments TI-36X	24.00
1 box	Disks, 10 DD/HD 3.5"	13.00
4 each	Pencils, #3	2.00
3 pkgs	Paper, filler for binders	4.00
Graduation Application Fee for First Certificate/Degree		20.00
Optional Fee for any additional Certificate/Degree		(10.00)
APPROXIMATE TOTAL SUPPLIES		\$80.00

APPROXIMATE TOTAL BOOKS, TOOLS AND SUPPLIES	\$1,376.00
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ANTICIPATE ADDITIONAL EXPENSES ASSOCIATED WITH THIS PROGRAM:
TEXTBOOKS ASSOCIATED WITH ACADEMIC COURSES,
 TRANSPORTATION, PARKING, CHILD CARE, HOUSING.
 YOU MUST CHECK YOUR CLASS SCHEDULE TO DETERMINE TEXTBOOKS REQUIRED BY INSTRUCTOR.