

COURSE	PREFIX/NUMBER	CREDIT HOURS	PS #
Fundamentals of Networking I	CIS 164	3	10818

COURSE DESCRIPTION

This course teaches students the skills needed to obtain entry-level home network installer jobs. It also helps students develop some of the skills needed to become network technicians, computer technicians, cable installers, and help desk technicians. It provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in home and small business environments. Instructors are encouraged to facilitate field trips and outside-the-classroom learning experiences. Labs include PC installation, Internet connectivity, wireless connectivity, file and print sharing, and the installation of game consoles, scanners, and cameras.

INSTRUCTOR/E-MAIL	OFFICE	OFFICE HOURS	PHONE
Mr. Ken Quamme Ken.Quamme@willistonstate.edu	Stevens 208	MTWRF 10:30 -11, 1:00 – 2:00	701-774-4207

TEXTBOOK	AUTHORS	ISBN#
<i>Cisco Networking Academy (Digital)</i>	Cisco Systems	N/A

GENERAL EDUCATION OUTCOMES

- I. **Learning Skills**
 Communications, including listening, reading, writing, verbal, and nonverbal communication skills.
 Mathematics, - including numerical literacy and knowledge and use of logical processes.
 Science, including observation, hypothesis construction, and experimentation.
 Technology, including computer skills and an awareness of technological change in society.
- II. **Personal Development**
 Survival skills such as time management, study skills, stress management, and self-assessment
 Wellness, which teaches the importance of exercise, nutrition, and self-perception.
 Personal responsibility for one's actions and those actions effect on self, community, and society.
 Lifelong learning, or the realization that learning is a continuous process of evaluation and reevaluation.
- III. **Social Awareness**
 Values building, which includes the respect for individual differences as well as an examination of the past and present factors in ethical considerations.
 Knowledge of and respect for diverse economic, social and political realities across cultures.
 Aesthetic appreciation , or an understanding of the necessary place in human affairs the search for beautiful express plays.
 An awareness of holistic approaches to environmental and global concerns.

IV. Higher Order of Thinking Skills

Analytical thinking - gathering, organizing and evaluating information.

Analogical thinking - using former knowledge and experience to help comprehend and explain new situations.

Critical thinking - the ability to identify and define criteria, understand biases, and construct objective judgments.

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COURSE OUTCOMES

1. Set up a personal computer system, including the operating system, interface cards, and peripheral devices
2. Plan and install a small network connecting to the Internet
3. Troubleshoot network and Internet connectivity
4. Share resources such as files and printers among multiple computers
5. Recognise and mitigate security threats to a home network
6. Configure an integrated wireless access point and wireless client

ASSESSMENT METHODS

The general education outcomes and course objectives will be assessed by using class participation, quizzes, chapter tests, and homework problems, etc.

GRADING POLICY

Your final grade in the class will be dependent upon several factors, which may include the following: (1) participation/worksheets, (2) quizzes, (3) chapter tests, (4) labs, (5) Blog/Journal, (6) Final Test, (7) Final Lab Exam, and (4) homework problems/research.

PARTICIPATION POLICY

You are expected to be present each time that the class meets, since I do keep attendance records, especially - - present, excused, or absent. If for some valid reason you are unable to be present, please notify me in advance, if at all possible (Ken.Quamme@willistonstate.edu).

STUDENT ACADEMIC INTEGRITY See page 24 of WSC 2011-13 Catalog**DISABILITY STATEMENT**

Any student who has a disability that may prevent the full demonstration of his or her ability in this class should contact the Disability Support Services to visit about the appropriate accommodations available to ensure your participation in Williston State College educational opportunities.

LATE DATE TO DROP WITHOUT TRANSCRIPT

August 29, 2012

LAST DATE TO WITHDRAW

November 9, 2012

SCOPE & SEQUENCE OF COURSE (See Attached PDF)

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