## Program of Study

**Career Field:** Communication and Information Systems  
**Career Cluster:** Information Technology  
**Career Pathway:** Information Support and Services

### Western Nebraska Community College

**DEGREE:**  
Information Technology (C2.1199)  
[http://www.wncc.net/programs/majors/INFO.html](http://www.wncc.net/programs/majors/INFO.html)

### School/Community Activities

**School Activities:**  
- Develop web pages, FBLA, Prepare school multimedia/video projects, SkillsUSA

**Community Activities:**  
- Job shadow professionals, Create a community web site or promotional video, Volunteer in the community, Help individuals use a computer, Set up computers and install software

### Course Selections

**HIGH SCHOOL**

<table>
<thead>
<tr>
<th>GRADE</th>
<th>ENGLISH</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>SOCIAL STUDIES</th>
<th>GENERAL ELECTIVES</th>
<th>PATHWAY ELECTIVE COURSES</th>
<th>EXTENDED LEARNING</th>
</tr>
</thead>
</table>
| 9     | English/Language Arts I | Algebra I | Physical Science | Geography | World Languages and Cultures | Information Technology App. I | School Activities:  
Develop web pages, FBLA, Prepare school multimedia/video projects, SkillsUSA |
| 10    | English/Language Arts II | Geometry | Biology | World History | Physical Education | Information Technology App. II | Community Activities:  
Job shadow professionals, Create a community web site or promotional video, Volunteer in the community, Help individuals use a computer, Set up computers and install software |
| 11    | English/Language Arts III | Algebra II | Chemistry | American History | Health Education | Geotechnology |  
Entrepreneurship | Digital Media |  
Network Systems | Web Design and Development |  
Plus 2 from the following:  
Information Technology Fundamentals | Database Design and Development | Programming I |
| 12    | English/Language Arts IV | Intro to Statistics | Discrete Math | Pre-Calc | Physics | American Government or Economics |  
Microcomputer Applications | Operating Systems | Database (Access) | Networking Essentials | IT Elective |

**COMMUNICATIONS**

<table>
<thead>
<tr>
<th>MATH</th>
<th>SCIENCE</th>
<th>SOCIAL SCI/HUMANITIES</th>
<th>DEGREE REQUIREMENTS</th>
<th>MAJOR COURSES</th>
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<tbody>
<tr>
<td>Business Communications</td>
<td>Business Mathematics</td>
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Other major courses depend upon the Professional Skill Award Option. More courses are available under each option. Students must select one option from the following:  
- Programming Option, Computer and Network Foundations Option, Desktop Support Technician Option, Network Administration (Microsoft) Option, Network Administration (Cisco) Option, Web Designs Option.  
Contact WNCC for more information.

2/11/2011