<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>20104</td>
<td>Solis, R.</td>
<td>MW</td>
<td>08:00 AM-08:55 AM</td>
<td>IS 108</td>
<td>08/28-12/18</td>
<td>20164</td>
<td>Solis, R.</td>
<td>HRS-ARRG</td>
<td>10/25-12/18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20111</td>
<td>Mustain, J.</td>
<td>TR</td>
<td>09:15 AM-10:10 AM</td>
<td>IS 110</td>
<td>08/28-12/18</td>
<td>20150</td>
<td>Mustain, J.</td>
<td>MW</td>
<td>09:15 AM-11:20 AM</td>
<td>IS 110</td>
<td>08/28-12/18</td>
</tr>
<tr>
<td>20116</td>
<td>Mustain, J.</td>
<td>TR</td>
<td>10:20 AM-11:15 AM</td>
<td>IS 110</td>
<td>08/28-12/18</td>
<td>20105</td>
<td>Mustain, J.</td>
<td>MW</td>
<td>11:30 AM-01:35 PM</td>
<td>IS 110</td>
<td>08/28-12/18</td>
</tr>
<tr>
<td>20128</td>
<td>Flores, R.</td>
<td>MW</td>
<td>09:15 AM-11:20 AM</td>
<td>IS 110</td>
<td>08/28-12/18</td>
<td>20155</td>
<td>Solis, R.</td>
<td>HRS-ARRG</td>
<td>08/28-10/23</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20781</td>
<td>Flores, R.</td>
<td>TR</td>
<td>09:15 AM-11:20 AM</td>
<td>IS 110</td>
<td>08/28-12/18</td>
<td>20219</td>
<td>Flores, R.</td>
<td>R</td>
<td>06:00 PM-09:15 PM</td>
<td>IS 110</td>
<td>08/28-12/18</td>
</tr>
<tr>
<td>20136</td>
<td>Flores, R.</td>
<td>HRS-ARRG</td>
<td>08/28-12/18</td>
<td>20250</td>
<td>Solis, R.</td>
<td>HRS-ARRG</td>
<td>10/25-12/18</td>
<td>20251</td>
<td>Solis, R.</td>
<td>HRS-ARRG</td>
<td>10/25-12/18</td>
</tr>
<tr>
<td>20144</td>
<td>Flores, R.</td>
<td>T</td>
<td>06:00 PM-09:15 PM</td>
<td>IS 110</td>
<td>08/28-12/18</td>
<td>20145</td>
<td>Flores, R.</td>
<td>T</td>
<td>06:00 PM-09:15 PM</td>
<td>IS 110</td>
<td>08/28-12/18</td>
</tr>
<tr>
<td>20159</td>
<td>Mustain, J.</td>
<td>TR</td>
<td>11:30 AM-01:35 PM</td>
<td>IS 110</td>
<td>08/28-12/18</td>
<td>20154</td>
<td>Mustain, J.</td>
<td>W</td>
<td>06:00 PM-10:15 PM</td>
<td>IS 108</td>
<td>08/28-12/18</td>
</tr>
<tr>
<td>20157</td>
<td>Solis, R.</td>
<td>HRS-ARRG</td>
<td>08/28-12/18</td>
<td>20144</td>
<td>Flores, R.</td>
<td>T</td>
<td>06:00 PM-09:15 PM</td>
<td>IS 110</td>
<td>08/28-12/18</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Computer Sci & Info Systems

**CSIS 105 Introduction to Windows and Personal Computers**

2 Units

- **CRN**: 20104
- **Instructor**: Solis, R.
- **Days**: MW
- **Time**: 08:00 AM-08:55 AM
- **Room**: IS 108

**Note:** Strongly recommended: READ 099 required by reading placement exam or if required by reading level.

This course covers computer literacy concepts. It provides an introduction to the personal computer and the Windows operating system. The course prepares students to operate a computer using the Windows interface. It is designed for students with no previous computer experience. This course may be taken two times. 36 lecture hours.

**CSU**

**CSIS 107 Fundamentals of Information Technology**

4 Units

- **CRN**: 20132
- **Instructor**: Solis, R.
- **Days**: TR
- **Time**: 09:15 AM-11:20 AM
- **Room**: IS 108

**Note:** Strongly recommended: READ 099 required by reading placement exam or if required by reading level.

This course covers essential concepts of information technology. Topics include computer hardware, software, programming concepts, network/internet technologies, ethics and emerging technologies. 72 lecture hours. CSU UC

**CSIS 111 Introduction to Programming Concepts and Design**

4 Units

- **CRN**: 20140
- **Instructor**: Solis, R.
- **Days**: MW
- **Time**: 09:15 AM-11:20 AM
- **Room**: IS 108

**Note:** Strongly recommended: CSIS 107. Also READ 099 if required by reading placement exam or if required by reading level.

Previously: CSIS 110. An introduction to the principles of computer programming and software development. Topics covered include the program development cycle, developing algorithms, data and control structures, structured programming, and object-oriented programming. Data types, expressions, control structures, functions, file and stream I/O, and structured and abstract data types are introduced in this course. Microsoft's Visual Studio to help illustrate programming concepts common to modern high-level programming languages. This course may be taken three times. Students must wait two years before retaking this course. 72 lecture hours. CSU UC

**CSIS 119 Introduction to Web Programming**

3 Units

- **CRN**: 20144
- **Instructor**: Flores, R.
- **Days**: T
- **Time**: 06:00 PM-09:15 PM
- **Room**: IS 110

**Note:** Prerequisite: CSIS 105 or 107. Also READ 099 if required by reading placement exam or if required by reading level.

This course provides students with the skills to design and publish Web pages using the latest version of XHTML. Students will also work with XML and JavaScript to create custom Web pages for personal and professional environments. 54 lecture hours. CSU

**CSIS 162 Electronic Spreadsheets Using Microsoft Excel**

3 Units

- **CRN**: 20219
- **Instructor**: Flores, R.
- **Days**: R
- **Time**: 06:00 PM-09:15 PM
- **Room**: IS 110

**Note:** Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides comprehensive instruction in the use of spreadsheet software to create, edit, store, retrieve, and print spreadsheets and charts. Topics include completing calculations, making decisions, organizing and graphing data, developing professional looking reports, publishing organized data to the Web, and accessing real-time data from Web sites. 54 lecture hours.

**CSIS 230 Microcomputer Applications II**

4 Units

- **CRN**: 20250
- **Instructor**: Solis, R.
- **Days**: W
- **Time**: 06:00 PM-10:15 PM
- **Room**: IS 108

**Note:** Prerequisite: CSIS 130.

A second course in the use of microcomputers for personal and professional productivity. Covers the advantages of using integrated software over a single application. Practical experience in the integration of Windows programs and the World Wide Web/HTML. This course may be taken two times. 72 lecture hours, 18 lab hours.

**CSU**

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626)