Skills-based course introducing basic hardware and software using lecture and hands-on, practical application. Successful completion of the course prepares students to pass the A+ certification exam.

**Prerequisites:** none

**Course fee:** $25, used to assist in maintaining CIT infrastructure.

**Course Times:**
- 1200-01 MWF 10am-10:50am Smith Computing Center (SCC) 108

**Instructor:**
- Jay Sneddon

**Resources REQUIRED**

You will be required to purchase access to the Testout company website instead of a textbook.

The DSU price for the Testout course is $129.00. To purchase, do the following:

1 - Visit [Testout.com](http://Testout.com)

2 - Enter Promotion Code **14-232TA** at the bottom right of the page:

3 - Under LabSim Courses for Microsoft, select **Testout PC Pro** ISBN 978-1-935080-42-8 English 6.02 to purchase ($129.00) and add to shopping cart

4 - Follow shopping cart directions to place your order

5 - When prompted enter school name exactly as Dixie State University

6 - Follow instructions on the order confirmation screen and /or your emailed invoice for accessing LabSim.

7 - Join Class IT 1200 Sp 2019

**Objectives**

At the end of the course, students will be able to:

- Select, install, repair and support PC computer hardware
- Install, repair and support the Windows 10, Linux and MacOS operating systems
- Understand network addressing
- Support wireless and other mobile devices
- Prepare to pass the TestOut PC Pro certification exam
- Prepare to pass the COMPTIA A+ (220-1001 & 220-1002) certification exams.

**Computer Resources**

You will need to have access to a computer to complete the on-line labs associated with this course. The Testout website uses a web browser and HTML 5, with Chrome recommended. You will need to be able to use these systems.

**Course Information**

You are responsible for being informed regarding announcements, the schedule, and other resources posted on this website. Grading and assignments are managed at [https://dixie.instructure.com](https://dixie.instructure.com).

**Assignments, Quizzes and Exams**

**Assignments**

Testout has a number of labs and quizzes for each section. These are required. A recommended methodology
on tackling a Testout section is to review the fact sheets, then watch the videos on sections where you need better understanding. Do the labs next, then the quizzes.

Assignments will be graded based on completeness and accuracy. Assignments are due on the date listed in the schedule. Testout assignments must be completed within Testout. Testout lab and quiz scores are automatically reported to the instructor, and may be repeated as often as desired before the due date to improve the associated scores.

(See the Late Work policy for more information)

**Quizzes**

Each chapter will have an associated quiz administered during the semester.

**Exams**

The course will have several exams plus a final.

The final exam is a special Testout practical exam consisting of several lab exercises. Successful passing of the Testout practical final earns a Testout PC Pro Certificate. If you have kept up on the lab exercises, you will recognize the questions on the final.

**Grading**

The final grade is a combination of Assignments, Quizzes, Exams and the Final Exam. Some assignments are in class activities, which cannot be made up.

Grades are weighted as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testout</td>
<td>30%</td>
</tr>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Exams</td>
<td>25%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>15%</td>
</tr>
<tr>
<td>CompTIA A+ 220-1001 Cert Exam</td>
<td>5%</td>
</tr>
<tr>
<td>CompTIA A+ 220-1002 Cert Exam</td>
<td>5%</td>
</tr>
</tbody>
</table>

The grading scale is as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;= 94</td>
<td>A</td>
</tr>
<tr>
<td>&gt;= 90</td>
<td>A-</td>
</tr>
<tr>
<td>&gt;= 87</td>
<td>B+</td>
</tr>
<tr>
<td>&gt;= 84</td>
<td>B</td>
</tr>
<tr>
<td>&gt;= 80</td>
<td>B-</td>
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<tr>
<td>&gt;= 77</td>
<td>C+</td>
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<tr>
<td>&gt;= 74</td>
<td>C</td>
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<tr>
<td>&gt;= 70</td>
<td>C-</td>
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<tr>
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<td>D+</td>
</tr>
<tr>
<td>&gt;= 64</td>
<td>D</td>
</tr>
<tr>
<td>&lt; 64</td>
<td>F</td>
</tr>
</tbody>
</table>

**A+ Certification**

A+ Certification is a significant resume enhancer, and is required for this class. Two exams (CompTIA 220-1001 and 220-1002) are required to become certified. CompTIA offers a significant testing discount for students at [http://academic.comptiastore.com/](http://academic.comptiastore.com/) This course prepares you for both exams. Chapters 1 thru 9 deals with hardware, and prepares you for 220-1001, and Chapters 10 thru 13 is about software/OS and prepares you for 220-1002. Each of the certification exams are worth 5% of your course grade.

Students may test out of the class with an A grade if they are able to become A+ Certified before the third week of the semester. By becoming A+ Certified you have proven that you know this course material. If you are already A+ Certified, the certification must be active (meaning passed within the last three years) and I must see a copy of your certificate.
If a student passes the CompTIA 220-1001 exam before the final, they will score 100% for Exams 1 thru 3. If a student passes the CompTIA 220-1002 exam before the final, they will score 100% for Exams 4 and 5.

Students may also avoid the final exam if they are able to become A+ Certified before the scheduled Final Exam. In which case the Final Exam will be scored as 100%.

Contact me if you have any questions about this.

**Course Policies**

**Absences**

Students are responsible for material covered and announcements made in class. School-related absences may be made up only if prior arrangements are made. The class schedule on Canvas presented is approximate. The instructor reserves the right to modify the schedule according to class needs. Changes will be announced in class and posted to the website. Exams and quizzes cannot be made up unless arrangements are made prior to the scheduled time.

**Late work**

Assignments are due on the date specified in the schedule. Passing them off after the specified time is considered late. You may turn them in late with a 20% penalty. In class activities/assignments cannot be made up.

**Testing out of this Course**

Students may receive full credit for this course if they can prove an active A+ Certification before the third week of the semester. An active A+ Certification is defined as one achieved within the last three years.

**Cheating and Collaboration**

Limited collaboration with other students in the course is permitted. Students may seek help learning concepts and developing programming skills from whatever sources they have available, and are encouraged to do so. Collaboration on assignments, however, must be confined to course instructors, lab assistants, and other students in the course. See the section on cheating.

Cheating will not be tolerated, and will result in a failing grade for the students involved as well as possible disciplinary action from the college. Cheating includes, but is not limited to, turning in homework assignments that are not the student’s own work. It is okay to seek help from others and from reference materials, but only if you learn the material. As a general rule, if you cannot delete your assignment, start over, and re-create it successfully without further help, then your homework is not considered your own work.

You are encouraged to work in groups while studying for tests, discussing class lectures, and helping each other identify errors in your homework solutions. If you are unsure if collaboration is appropriate, contact the instructor. Also, note exactly what you did. If your actions are determined to be inappropriate, the response will be much more favorable if you are honest and complete in your disclosure.

Where collaboration is permitted, each student must still create and type in his/her own solution. Any kind of copying and pasting is *not* okay. If you need help understanding concepts, get it from the instructor or fellow classmates, but never copy another’s written work, either electronically or visually. It is a good idea to wait at least 30 minutes after any discussion to start your independent write-up. This will help you commit what you have learned to long-term memory as well as help to avoid crossing the line to cheating.

**College Policies**

Additional college policies, calendars, and statements are available online at [http://academics.dixie.edu/syllabus/](http://academics.dixie.edu/syllabus/).