

# SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

## ACADEMIC AFFAIRS

Course Number: GAT 155 Department: Graphic Arts Technology  
 Course Title: Macintosh Operating Systems Semester: Spring Year: 2016

### Objectives/Competencies

Course Objectives	Competencies
<ol style="list-style-type: none"> <li>1. Learn technical computer information &amp; terminology, the most popular desktop publishing applications, and how the computer is used in today's industry.</li> <li>2. Know the history of the PC industry, and how the internet was created.</li> <li>3. Identify and obtain specifications for all Macintosh models, including online technical support</li> <li>4. Set-up, install, and configure several different Macintosh OSs, including other storage devices &amp; peripherals.</li> <li>5. Understand system software basics through advanced level.</li> </ol>	<ol style="list-style-type: none"> <li>1. Understand the terminology and basic concepts of the computer (Macintosh &amp; Windows applicable) as it is used in today's desktop publishing industry. Know what DTP applications are used for what purposes.</li> <li>2. Understand the origins, developments, accomplishments, people &amp; companies, of the PC industry, including the internet.</li> <li>3. Know where to get help and technical support online from several sites. Learn how to read the System Info / Profiler. Identify all generations of Macintosh models by their processors, read their specifications &amp; features (identify its ports), know what chassis they have, and what operating systems they will run.</li> <li>4. Ability to setup a Macintosh from the box to reinstallation of system software (OS), third party applications, &amp; updates, including older operating systems. Ability to connect &amp; setup various kinds of hardware components (including audio/visual equipment), data storage &amp; peripheral devices (including external devices, printers &amp; scanners). Ability to format, reformat, partition flash drives, other storage devices and use the repair &amp; permissions features. Understand importance of UPS surge suppression &amp; backing up data.</li> <li>5. Learn what's available within the Mac OS (its applications &amp; utilities). Ability to know, organize &amp; handle the Desktop, System &amp; Finder, Libraries, Users (the Home folder), and navigate to other important folders &amp; files. Ability to configure all preferences, manage fonts &amp; install drivers, work with aliases, and customize the Desktop (including disability settings).</li> </ol>

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<p>6. Understand software capabilities, including networking, internet connections, cross-platform transfer, file compression, and disk images.</p> <p>7. Understand &amp; configure hard disk &amp; file management.</p> <p>8. Troubleshoot computer hardware &amp; software problems.</p>	<p>6. Know how to use most OS applications &amp; utilities and their preferences.                      Ability to network &amp; share files between other Macs &amp; Windows PCs.                      Ability to know, setup, and troubleshoot various internet connections, including familiarity with routers.                      Ability to transfer files from Mac to Windows and back again.                      Learn popular file formats for the graphics industry and internet.                      Install and use a work with a popular compression application.                      Ability to create and work with disk images (from install to the internet).</p> <p>7. Know how to use most OS applications &amp; utilities and their preferences.                      Ability to organize applications &amp; documents within the operating system.                      Ability to network &amp; share files between other Macs &amp; Windows PCs.                      Ability to know, setup, and troubleshoot various internet connections, including working with routers.                      Ability to transfer files from Mac to Windows and back again.                      Learn popular file formats for the graphics industry and internet.                      Install and use a work with a popular compression application.                      Ability to create and work with disk images (from install to the internet).</p> <p>8. Know how to use a startup disk for damaged or inoperable hard drives.                      Ability to install and upgrade memory (RAM) &amp; batteries.                      Ability to install, create, customize, &amp; organize an efficient working hard drive.                      Understand how hard disks work, and how to defragment any drive.                      Ability to recognize &amp; troubleshoot system software from startup to shutdown.                      Ability to recognize &amp; troubleshoot hardware components and third-party software applications.</p>

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<p>9. Learn how to use the Mac OS's built-in multimedia software by creating and presenting a multimedia project.</p> <p>10. Discuss the future of the computer technology,</p>	<p>9. Ability to capture video from DVDs &amp; internet; import music from CDs. Understand how to prepare, import, and manipulate multimedia components within the OS applications (Apple's iTunes &amp; iMovie HD) by assembling photos and video clips (of students' choice) into iMovie HD. Ability to edit and enhance photos &amp; clips, add special effects, titles, transitions, audio tracks within iMovie HD. Ability to create a professional DVD of their presentation, including how to burn a DVD for play-only using popular burning software.</p> <p>10. Knowledge of the latest technology available and the future of the computer industry.</p>