

OER & Accessibility

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www.amacusg.org

AMAC Accessibility

AMAC is as an initiative of the University System of Georgia -Board of Regents to help postsecondary disability services offices provide complete, timely, and efficient accommodations to the printdisabled students they serve.







Products and Services



- Braille Services produces customized projects from both print materials and electronic text including partial books and chapters or graphics only using cutting-edge technology.
- **Professional E-Text Producers** provide high-quality e-text in many formats such as PDF, DOC, DAISY, and HTML, MathML.
- Captioning Services including Remote Captioning, Captioned Media, and Audio Description makes classrooms, meetings, labs and other audio environments accessible for deaf or hard-of-hearing.
- **Certified Assistive Technology team** provides on-site and remote assessments, demonstrations, training and technical assistance for education, work, and daily living environments.
- Accessibility Compliance focuses on organizational accessibility needs with evaluation, technical assistance, customer support, and website accessibility.

How does AMAC work for Students?

What is AMAC?

AMAC works with colleges and universities to provide students with textbooks in formats that best meet their needs, including:

E-Text, Audiobooks, and Braille.

How does AMAC work?

Students meet with their disability services office to place an order for their textbooks in the preferred format.





AccessGA Initiative



AccessGA

A joint initiative of the Georgia ADA Coordinator's Office, AMAC, and GTA. The objective is to support Georgia's state agencies with ICT accessibility, and promote equal and timely access for employees and customers with a wide range of disabilities.

- Webinar
- Technical Assistance and Hands-On Training
- Monthly Newsletters
- Up-to-Date Wiki of ICT Accessibility Resources and Information
- Web Accessibility Audits
- Procurement and VPATs
- www.accessga.org



Laws and Regulations

ADA <u>The Americans with Disabilities Act</u> of 1990 protects qualified persons with disabilities from discrimination including in postsecondary education.

- Postsecondary institutions must make reasonable accommodations in order to provide students with disabilities an equal opportunity to participate in courses, programs, and activities.
- Accommodations can include aids and services such as qualified sign language interpreters, note takers, readers, braille, large print, and electronic formats of print materials, and adaptive equipment.

US Department of Education Disability Discrimination: Overview of the Laws



ADA DG AMERICANS WITH DISABILITIES ACT

Civil Rights



Section 504

Section 504 of the Rehabilitation Act of 1973 is a federal law designed to protect the rights of individuals with disabilities in programs and activities that receive **Federal financial assistance** from the U.S. Department of Education (ED). Section 504 provides: "No otherwise qualified individual with a disability in the United States . . . **shall, solely by reason of her or his disability, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance "**

Higher Education's Obligations Under Section 504 and Title II of the ADA

Qualified Individuals



Students must self-identify to receive accommodations.



Who is included?



Individuals with print-related disabilities:

- Blind or visually impaired
- Motor disabilities
- *Learning disabilities largest group of students served in GA
- Deaf or hard of hearing and require multimedia to be captioned
- Secondary group that can benefit English language learners



Is Your Textbook Accessible?



Accessibility / Accessible

Making your content available to all users, including users of assistive technology.



What Makes a Textbook Accessible?

Key Ideas

- Works with Assistive Technology
- Benefits all users
- Incorporates standards
 - Section 508 and WCAG 2.0



Screen Reading/Text-to-Speech Solutions



- JAWS, NVDA, Window-Eyes
- Built-in Solutions: Narrator, VoiceOver
- ClaroRead, Kurzweil 3000
- Kindle App and Devices
- VoiceOver
- TalkBack
- ClaroSpeak, Voice Dream apps

What is an Accessible Textbook?

- Text selected, reformatted, resized, accessed with Assistive constitution of the selected of th
- **Digital** not hard copy printed
- Include Document Structure and Navigation Headings and Table of Contents
- Alternative Text Descriptions
- Labels for tables and forms
- Multimedia includes captions
- Works for most users
- Improved Accessibility leads to improved Usability

Accessible Documents Features



Semantic Markup, Document Structure, and Navigation

- Headings for structure and navigation
- Alternative text descriptions
- **Meaningful hyperlinks** (not click here or read more)
- Logical reading order
- Color and Contrast
- Lists and tables



Headings



Alt Text

Alternative Text Descriptions

Images and other non-text content require text "equivalents" in order for screen reader users to have access to the same information that is conveyed visually to sighted users.





Writing Alt Text Descriptions

Image Purpose

To determine the alt text to add, determine the purpose and meaning of the image and write a short, to-the-point text equivalent. In most cases the alt text conveys the meaning of the image, rather than a visual description of the image.

Format Picture	Format Picture
Colors and Lines Size Layout Picture Text Box Alt Text Alternative text: A person taps iPad screen with finger, highlighted text is displayed. Image: Colora of the screen with finger, highlighted text is displayed. Web browsers display alternative text while pictures are loading or if they are missing. Web search engines use alternative text to help find Web pages. Alternative text is also used to assist users with disabilities.	Fill Line Color Line Style It T ext Shadow Description: Reflection Screenshot showing image with alt text and alt text entry field in Format Picture menu. 3-D Format Screenshot showing image with alt text and alt text entry field in Format Picture menu. 3-D Format Titles and descriptions provide alternative, text-based representations of the information contained in tables, diagrams, images, and other objects. This information is useful for people with vision or cognitive impairments who may not be able to see or understand the object. Crop Att te can be read to a person with a disability and is used to determine whether they wish to hear the description of the content. Position Text Box Alt Text
	Close





Formats

- Microsoft Word documents
- PowerPoint presentations
- Accessible PDFs from accessible source documents



Built-in Tools



Use the built in tools of your authoring software

- Headings
- Lists and tables
- Alternative text descriptions
- Meaningful hyperlinks



Accessibility Checker



Use the built in tools of your authoring software

- What is it?
 - A tool available in Microsoft Office 2010 and 2013 for Word,
 PowerPoint, and Excel that identifies areas within documents that may be problematic for users with disabilities to view or use.



Inspection Results



- What does it do?
 - Inspects the document and scans for issues that could pose problems.
 - Generates a report showing the inspection results.
 - Flags three different categories of issues: errors, warnings, and tips.



Additional Inspection Information

- What else does it do?
 - Why Fix: Provides

 additional information
 detailing why the issue
 should be fixed.
 - How To Fix: Provides instructions for fixing the problems.



Use the Accessibility Checker



To access the Accessibility Checker, go to File > Prepare for Sharing and click Check for Issues

From the context menu, choose Check Accessibility



Prepare for Sharing

Before sharing this file, be aware that it contains:

Document properties, author's name and cropped out image data

Footers

Content that people with disabilities are unable to read







Use same standards and general techniques across formats

- MS Word Doc
- PDF
- EPUB
- Html
- xhtml
- xml
- Accessible source documents can be exported to other formats.

MS Word Demonstration



<u>Tips for More Accessible Microsoft</u> <u>Word Doc</u>







8

Options

23

- Create Accessible PDFs from accessible source files.
- Export tagged PDFs.

Authors: AMAC Tags: accessibility Optimize for: (a) Standard (publishing online and printing) (b) Minimum size (publishing online) Options (c) Optimize for: (a) Standard (publishing online and printing) (b) Options (c) Optimize for: (a) Standard (publishing online and printing) (c) Options (c) Optimize for: (c) Standard (publishing online and printing) (c) Options (c) Optimize for: (c) Standard (publishing online) (c) Options (c) Optimize for: (c) Standard (publishing online) (c) Optimize for: (c)	File name: Tips for a More Accessible MS Word Doc source		Page range ● <u>All</u> ● Current page	
OK Cancel		AMAC for: Standard (publishing online and printing) Minimum size	Tags: accessibility Options	 Page(s) From: 1 To: 1 To: 1 Publish what Document Document showing markup Include non-printing information Greate bookmarks using: Headings Word bookmarks Document properties Document structure tags for accessibility PDF options ISO <u>1</u>9005-1 compliant (PDF/A) Bitmap te<u>x</u>t when fonts may not be embedded Encrypt the document with a password

Remediating PDFs

- Adobe Acrobat Professional
- Auto-tag



Test document

ssibility for All

This document is intended to test the qu many of the styles and elements as I usu

Main heading

Some more text.

Lists

Get ready for some other elements, first

- List item 1
- List item 2
 - Sub item 1
- List item 3

A numbered list, from the numbering bu

- 1. Numbered item 1
- 2. Numbered item 2
 - Sub item 1 (using tab)
- 3. Numbered item 3

Trying the new multi-level list button:

- 1) Item one.
- 2) Item two.
- a) Sub item (using tab)
- 3) Item three.

Table

Coffee and tea consumption per day:

Supplementary Materials

PowerPoint Slides

- Templates
- Unique titles
- Reading order
- Outline view
- Export to PDF

Multimedia and Video

Closed Captioned





PowerPoint Demo





Video demonstration how to format PowerPoint for improved accessibility

Universal Design



Design for all users / Build it in from the start

- Build accessibility into source documents.
- Make accessibility part of your workflow.
- Documents designed using accessibility standards translate to mobile and other platforms more easily.

Demonstration of JAWS on the Web





Demonstration of JAWS by a student who is blind accessing the Internet

Video of JAWS User Accessing the Internet

Access to Success



Finding the right tools leads to success



Annzie Hine Success Story

Contact



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AccessGA

www.accessga.org

AMAC Accessibility Solutions and Research Center

www.amacusg.org

404-894-8000





- <u>Creating Accessible MS Word Documents</u>
- <u>Adobe Indesign Character and Paragraph Syles</u>
- PDF Accessibility Standards
- <u>NCAM Image Description Resources</u>
- WCAG 2.0 Guidelines Overview