Objectives

• Provide background and statistics
• Provide sample accommodations
• Provide checklists
• Provide additional resources

Help you plan for a physical environment and digital or online environment that can be accessed by all students.

Background

<table>
<thead>
<tr>
<th>Year</th>
<th>Act/Standard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990</td>
<td>Americans With Disabilities Act (ADA)</td>
<td>United States</td>
</tr>
<tr>
<td>1997</td>
<td>Amendments to Individuals With Disabilities Education Act (IDEA)</td>
<td>United States</td>
</tr>
<tr>
<td>1998</td>
<td>Amendments to Section 508 of the Rehabilitation Act</td>
<td>United States</td>
</tr>
<tr>
<td>1999</td>
<td>Web Content Accessibility Guidelines</td>
<td>World Wide Web Consortium (W3C)</td>
</tr>
<tr>
<td>2000</td>
<td>Electronic and Information Technology Accessibility Standards</td>
<td>US Access Board</td>
</tr>
</tbody>
</table>

Background Statistics: US Postsecondary

6% of US students report having a disability

Of students reporting a disability:
- Learning disabilities 45.7%
- Mobility or orthopedic impairments 13.9%
- Health impairments 11.6%
- Mental illness or emotional disturbance 7.8%
- Hearing impairments 5.6%
- Blindness and visual impairments 4.4%
- Speech or language impairments 0.9%
- Other impairments 9.1%

Source: An Institutional Perspective on Students with Disabilities in Postsecondary Education, National Center for Educational Statistics, Postsecondary Education Quick Information System, August 1999.

Statistics: UW-Madison

Source: http://www.wisc.edu/adac/sectionthree.html
Statistics: Wisconsin Ages 12-17

Number of Wisconsin Students in Selected Disability Categories (ages 12-17)

<table>
<thead>
<tr>
<th>Disability</th>
<th>Percent</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learning</td>
<td>56%</td>
<td>31,954</td>
</tr>
<tr>
<td>Emotional Behavioral</td>
<td>18%</td>
<td>10,205</td>
</tr>
<tr>
<td>Cognitive</td>
<td>11%</td>
<td>6,466</td>
</tr>
<tr>
<td>Hearing</td>
<td>1%</td>
<td>680</td>
</tr>
<tr>
<td>Vision</td>
<td>&lt;1%</td>
<td>200</td>
</tr>
</tbody>
</table>


Sample Accommodations

Student with a Learning Disability
- Captioned films
- Computer with voice output, spellchecker, and grammar checker
- Web: alternate text for images


Sample Accommodations

Student with Mobility Impairment
- Classrooms and labs in accessible locations
- Adjustable tables
- Class assignments made available in electronic format
- Computer equipped with special input device (e.g., voice input, alternative keyboard)
- Web: Page usable without mouse


Sample Accommodations

Student with a Hearing Impairment
- Open or closed-captioned films, use of visual aids
- Written assignments, lab instructions, demonstration summaries
- Use of electronic mail for class and private discussions
- Web: captions and transcripts


Sample Accommodations

Student with Low Vision
- Class assignments made available in electronic format
- Computer equipped to enlarge screen characters and images
- Web: Alternate text for all images, relative sizing of elements


Sample Accommodations

Student Who Is Blind
- Braille lab signs and equipment labels
- Computer with optical character reader, voice output, Braille screen display and printer output
- Web: alternate text for all images, page usable without mouse

Sample Accommodations

- BYU Adaptive Technology
campuslife.byu.edu/uac/technology.htm

- UW-Madison Adaptive Technology
memlab.doit.wisc.edu/ada.htm

Refreshable Braille Display

Braille Printer

Adjustable Chair and Desk

TeleSensory Chroma
SVGA Screen Magnifier

Checklist: Physical Environment

- See Equal Access: Computer Labs
http://www.washington.edu/doit/Brochures/Technology/wtcomp.html
**Checklist: Web Pages**

- See W3C Quick Tips to Make Accessible Web Sites
  
  http://www.w3.org

- See US Section 508 checklist at
  http://www.webaim.org/standards/508/checklist

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**Additional Resources**

**The Faculty Room**

University of Washington

DOIT: Disabilities, Opportunities, Internetworking, Technology

www.washington.edu/doit/faculty

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**Additional Resources**

- Talk with staff in other labs on your campus
- Talk with staff who assist students with disabilities