



# The Status of Women and Girls in Engineering and Science

**Audience:** High School/Community College

**Presentation Title:** The Status of Women and Girls in Engineering and Science

**Length** 60 minutes

**Overview & Purpose**  
 Understanding the current status of women and girls in Engineering and Science is the first step in developing an awareness of the opportunities and challenges your students face in entering these career fields. This presentation will take you from girls participation in math and science courses and achievement in high school to women's participation in STEM careers and all the phases in between.

<b>Presentation Guide</b>		
<b>Objectives</b>	<ol style="list-style-type: none"> <li>1. Understand why increasing the participation of women and girls in STEM careers is important.</li> <li>2. Increase knowledge of girls participation and achievement in math and science at the high school level</li> <li>3. Increase knowledge of the participation of women at all levels of postsecondary education and workforce participation in STEM careers</li> </ol>	<b>Room Set Up</b> Laptop Computer, LDC projector and screen Paper and pens for participants
<b>Information</b>	Anticipatory Set <ol style="list-style-type: none"> <li>1. Startling Statements in STEM exercise</li> </ol> Presentation <ol style="list-style-type: none"> <li>2. Present power point using information found on the notes pages for each slide</li> </ol>	<b>Materials</b>  <a href="#">Startling Statements in STEM</a> worksheet, answer sheet and instructions.  Power point
<b>Activity</b>	Have participants pair up and assign one of the seven areas of the career challenges for the 21 <sup>st</sup> Century listed on the last slide of the power point. Have each group then brainstorm the careers that relate to each of these areas that are STEM related. Use the STEM related career cluster handout as a resource to help them with this brainstorming activity. Have each group list the careers on flip chart paper and place them up around the room to illustrate the myriad number of careers in STEM available to their students.	<b>Other Resources</b>  STEM related Career Cluster/Pathways handout  <a href="http://www.careerclusters.org">www.careerclusters.org</a>
<b>Evaluation</b>	Use the prepared evaluation instrument or develop one of your own.	Evaluation tool