

# Socialization of transfer students in STEM

**Astin's Involvement**  
• Astin (1984)

## Women in STEM

**Gender Inequity:**  
• Rypisi, Malcom, & Kim (2009)

**Increase of women:**  
• Cargill & Kalikoff (2007)  
• Jehangir (2009)

## Studies on women in STEM:

- Laanan (2005)
- Campbell (1990)
- Pajares & Miller (1994)
- Williams & Subich (2006)
- Tsapogas, 2004),
- Starobin, S. S. (2004).
- Starobin, S. S., & Laanan, F. S. (2005).

**Biological:**  
• Linn & Hyde (1989)

**Math and Science Preparation:**  
• Ashby (2006)

## Factors that influence the lack of women in STEM:

**Lack of Mentors:**  
• Ashby (2006)

## Levels of Socialization

Weidman (1987)

### Societal/Culture:

- Ferry, Fouad, & Smith (2000)
- Prasad (2005)
- Blickenstaff (2005)
- Hackett & Betz, (1981)
- Seymour (1995)

### Parental Influence:

- Dodge & Kendall (2004)
- Minkler (2002)
- Kutnowski (2005)

### Self-efficacy:

- Hackett & Betz (1981)
- Zeldin, Britner, & Pajares (2008)
- Bandura (1986)
- Bandura (1977)

### Academic Environment:

- Acker & Oatley (1993)

### Classroom Environment:

- Hurtado, Carter, & Spuler (1996)
- Matlin (1993)
- Markert (1996)

### Involvement:

- Astin (1987)

## Role of Community Colleges and Universities

### Transfer:

- Acker & Oatley (1993)
- Bogue (1956)
- Cohen & Brawer (2003)
- Laanan (1998, 2005)
- Townsend & Wilson (2006)

### Interaction with faculty:

- Creamer & Laughlin (2005)
- Subramaniam & Wyer (1998)
- Ashby (2006)

### Academic Preparation:

- National Science Board (1993)
- NSF (1994)
- Dossey, Mullis, Lindquist & Chambers (1988)