What is diversity, equity and inclusion – The first answer that pops into one’s mind is addressing gender, culture and ethnicity. But it is far more than that. Diversity, equity and inclusion also means addressing the different modalities by which we learn – are we visual learners, auditory learners, etc. Bottom line, even the ways in which we absorb, accept and implement the concepts of diversity, equity and inclusion are themselves diverse.

The following are links to journals and websites to provide topics and background materials in increasing diversity and inclusion in engineering education.¹

**Teaching and Learning**

- Why Diversity and Inclusion: [https://web.uri.edu/teach/multicultural/](https://web.uri.edu/teach/multicultural/)
- Diversity in CS: [https://ieeexplore.ieee.org/abstract/document/8725134?casa_token=8A82KCswPiAAAAAA:iAYYm3LlaYH7bKvijPBttqPEOJFNBoeQvt0msTNc-nEb8degdDTAw2xlep7FKoqaC1HBlfW](https://ieeexplore.ieee.org/abstract/document/8725134?casa_token=8A82KCswPiAAAAAA:iAYYm3LlaYH7bKvijPBttqPEOJFNBoeQvt0msTNc-nEb8degdDTAw2xlep7FKoqaC1HBlfW)
- Engineering writ large: [https://ece.engin.umich.edu/about/outreach-diversity/dei-resources/](https://ece.engin.umich.edu/about/outreach-diversity/dei-resources/)

**Active Learning**


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¹ Note this is not intended as an exhaustive repository
Teaching Practices

• 5 Principles as Pathways to Inclusive Teaching; https://www.insidehighered.com/advice/2020/02/19/practical-steps-toward-more-inclusive-teaching-opinion

• Designing inclusion into engineering education: A fresh, practical look at how diversity impacts on engineering and strategies for change: https://www.raeng.org.uk/publications/reports/designing-inclusion-into.engineering-education

• Teaching strategies for almost all disciplines: https://projects.iq.harvard.edu/files/eijc/files/inclusive_teaching_strategies_reflecting_on_your_practice.pdf?m=1525282190

• Teaching strategies including a one-pager: https://www.ctl.upenn.edu/evidence-based-strategies-and-practices

Discipline-Specific Resources

• Biomedical Engineering: https://www.mccormick.northwestern.edu/biomedical/diversity-equity-and-inclusion/

• Computer Science: Microsoft Guide to inclusive computer science education. How educators can encourage and engage all students in computer science: https://www.ncwit.org/resources/guide-inclusive-computer-science-education-how-educators-can-encourage-and-engage-all

• Infusing inclusion, diversity & social justice into the undergraduate Computer Science curriculum at Boise State University: https://www.asee.org/public/conferences/113/papers/21436/view

• Civil Engineering: https://cee.stanford.edu/our-culture/diversity-equity-inclusion
  https://cee.engin.umich.edu/about/diversity-equity-and-inclusion/
  https://www.ce.washington.edu/current/diversity

• Electrical Engineering: https://www.mccormick.northwestern.edu/electrical-computer/diversity/

• Energy https://par.nsf.gov/servlets/purl/10109375

• Mechanical Engineering: https://www.me.washington.edu/about/diversityhttps://engr.udel.edu/about/diversity-inclusion/

Creating Learning Objectives

• Generic on creating learning objectives BUT features various learning modalities: https://www.northwestern.edu/searle/assessment-of-student-learning/assessment-process/developing-objectives.html
• **Diversity at the syllabus level:**
  [https://journals.sagepub.com/doi/full/10.1177/0098628320959979?casa_token=IYsyVwSMVa0AAAA%3A5Fe7ST5kQWMrkp8LOitrINzzaz9WeseN2IlpKLgf2Ks-XcGZfeoH9IkZqsF8fxSDznS4z4iOj31DMOQ](https://journals.sagepub.com/doi/full/10.1177/0098628320959979?casa_token=IYsyVwSMVa0AAAA%3A5Fe7ST5kQWMrkp8LOitrINzzaz9WeseN2IlpKLgf2Ks-XcGZfeoH9IkZqsF8fxSDznS4z4iOj31DMOQ)

• **The Culture of Engineering**

• Uncovering Latent Diversity: Steps Towards Understanding 'What Counts' and 'Who Belongs' in Engineering Culture:

• **European Engineering Society – Addressing engineering culture:**
  [https://www.tandfonline.com/doi/full/10.1080/03043797.2017.1396287?casa_token=5gaLKz2bHZ6AAAA%3AcdSP5JKq-IRmObe9rMDosxyTO7lhvQ2zzlcgVDP2xnvaAqEoiXZoDndL6-pyEFBjB-M0gswMpSAw](https://www.tandfonline.com/doi/full/10.1080/03043797.2017.1396287?casa_token=5gaLKz2bHZ6AAAA%3AcdSP5JKq-IRmObe9rMDosxyTO7lhvQ2zzlcgVDP2xnvaAqEoiXZoDndL6-pyEFBjB-M0gswMpSAw)

• **Changing Faculty Culture to Promote Diversity, Equity, and Inclusion in STEM Education:**