Pre-Engineering versus Engineering Technology Associates Degree Advising Sheet

Both AAS Engineering Technology and AS Pre-Engineering Degrees Articulate (Transfer) from Stark State to The University of Akron's or Mount Union's BS Degrees in Engineering Technology (Akron only) or Engineering (both)

Visit the website http://www.uakron.edu/summitcollege/engineering_tech/ for more info on different disciplines in AU's BS in Engineering Technology.
Visit the website http://www.uakron.edu/engineering/ for more information about different disciplines in Akron's BS in Engineering.

SSC AAS Degree in Engineering Technology (ET) **To BS in Engineering Tech at The University of Akron Only**	**SSC AS Degree in Pre-Engineering** **To BS in Engineering at The University of Akron or Mount Union**
Transfers into Junior year at Akron's BS of Engineering Technology. NOTE: SSC AAS Mechanical, Electrical, Electronic, Civil ET Transfers to UA's BS in Mechanical ET, Electronic ET, & Construction ET Degrees.**	Transfers into Junior year at Akron's & Mount Union's BS of Engineering. NOTE: SSC AS in Pre-Engineering Electrical, Mechanical, & Civil transfers to Akron's BS in Mechanical, Civil, and Electrical Engineering & Mount Union's Civil and Mechanical Engineering only not Mount Unions Electrical at this time.
ET deals primarily with applying theoretical engineering practices to practical problem solving applications utilizing **algebra, trig, and geometry.** The curriculum is less academically challenging than engineering. The academically challenging science, calculus and differential equation curriculum is replaced with more "hands-on" ET technical curriculum related to the specific ET disciplines.	Engineering deals primarily with applying a deeper understanding of theoretical engineering practices to practical problem solving applications than ET. This application often utilizes **more academically challenging curriculum, such as higher levels of calculus, science & differential equations.** Engineering graduates often design more creative solutions to technical problems than ET**.**
ET possible labels in workforce: **"technician," "technologist," "engineer".**	Engineering labeled **"engineer".**
BSET graduates sometimes get the same position and salary as BS in Engineering graduates depending on the employer. ET graduates average about $7,000 to $10,000 per year less than BS in Engineering graduates.	Engineering graduates average about $7,000 to $10,000 per year more than Engineering Technology graduates.
SSC AAS ET graduates usually obtain ET full-time employment without the need to further their BSET Degree. However, the previously-discussed BSET Degree at UA is always an option that can be pursued individually or paid by employer.	SSC AS in Pre-Engineering graduates usually are not full-time employment ready because they take the majority of their engineering courses at UA or UMU their Junior and Senior years. Thus, UA's and UMU's BSE Degree is usually needed for full-time employment.
UA often provides internship or co-op opportunities for both BSET and BSE students their Junior and/or senior year.	UA often provides internship or co-op opportunities for both BSET and BSE students their Junior and Senior years. This may also be an option at UMU.
PE registration is possible with UA's ABET-accredited Bachelor's of ET Degrees plus **8 years** engineering experience and state proficiency exam.	PE registration is possible with UA's and UMU's ABET-accredited Bachelor's of Engineering Degrees plus **4 years** engineering experience & state proficiency exam.

Visit the website https://www.mountunion.edu/mechanical-engineering-major for more information about Mount Union's BS in Mechanical Engineering.
Visit the website http://www.mountunion.edu//civil-engineering-major for more information about Mount Union's BS in Civil Engineering.
SSC recommends contacting Akron's Transfer Student Services Center 330 972-7009 and/or Mount Union's Transfer Student Services 330-829-8238 during your 1st semester for questions & potential bridge course options.
**possible bridgework required