

**General Requirements for Graduation Without Thesis** – 27 units total with 3.0 GPA overall:

(All classes must be passed with a grade of C or higher)

- **4 units** AME 525 *Engineering Analysis*
- **10 units** Required core coursework (See below)
- **7-8 units** Approved elective courses (See below)
  - **Remaining units** Approved 400 or 500 level elective courses
- Only 3 units of AME 590 *Directed Research* can be taken as elective credit
- For official approval of waivers, substitutions, etc., please contact the faculty advisor for this program- Prof. Paul Ronney ronney@usc.edu

**Notes:** Term course typically offered is (F)=Fall (Sp)= Spring (Su)=Summer + Not Regularly Offered

Ex: AME 436 Energy and Propulsion (Sp) is typically offered in the Spring.

**Energy Conversion**

**Required Courses:**

AME 513a *Fundamentals and Applications of* AME 577 *Survey of Energy and Power for a* AME 578 *Modern Alternative Energy*

**Energy Conversion Elective Courses**

AME 436 *Energy and Propulsion (Sp)* AME 513b *Fundamentals and Applications of Combustion (Sp)* AME 515 *Advanced Heat and Mass Diffusion (F)*  
 AME 516 *Convective Processes +* AME 530a *Dynamics of Incompressible Fluids (Fa)*

\* Students are encouraged to consider electives from other Sustainable Infrastructure Systems programs.

**Program of Study Worksheet**

Course	Semester	Notes
AME 525		
AME 513a		
AME 577		
AME 578		

\*To be approved to pursue the MSMEEC with Thesis, you must first discuss with an AME Academic Advisor during your first semester in