

Interdisciplinary Materials Research & Education across GT

❑ Joint Faculty:

- 39 TTK faculty, 34.5 FTE (8 joint, 35 majority); 21 courtesy faculty in MSE; 14 MSE faculty courtesy/adjunct in other units
- Shared interdisciplinary senior hires

❑ Ph.D. Students advised across units:

- ~25 MSE GRAs advised by faculty in other units
- 20 GRAs from other units advised by MSE faculty

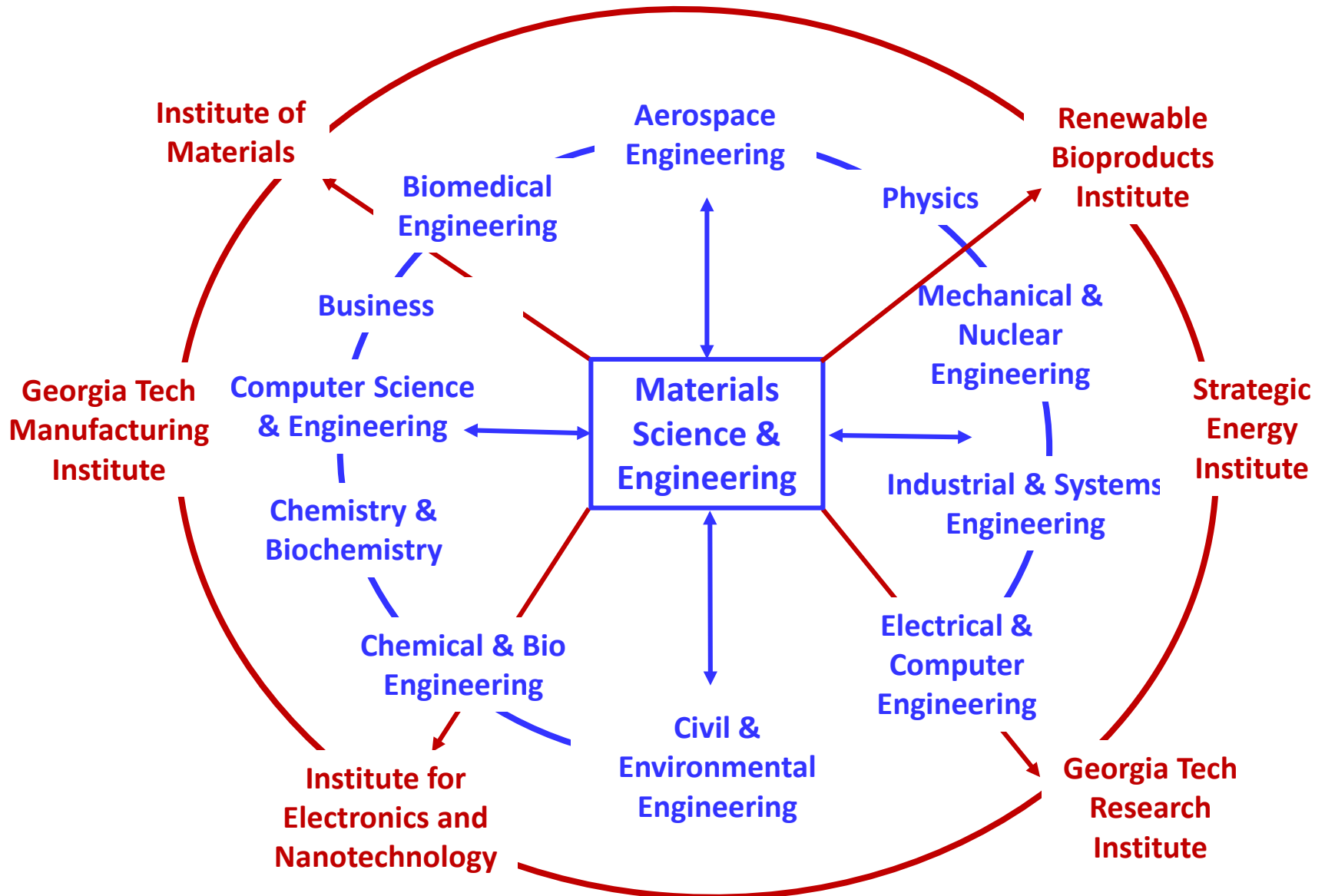
❑ Cross-listed Courses:

- 14 undergrad and 22 grad courses are cross-listed and taught by mix of MSE and non-MSE faculty
- Interdisciplinary certificate programs

❑ Faculty in Multiple Buildings:

- Faculty located in 6 buildings (legacy, space availability)
- Shared Laboratories and Facilities in different buildings

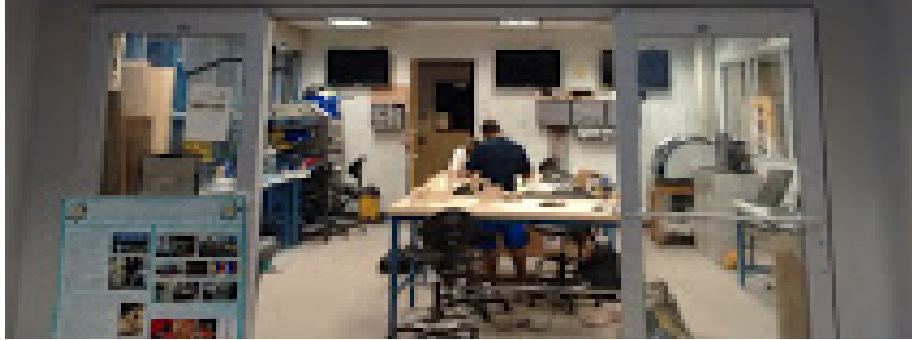
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INNOVATION ECOSYSTEM - MAKER SPACES

Woodruff School of Mechanical Engineering

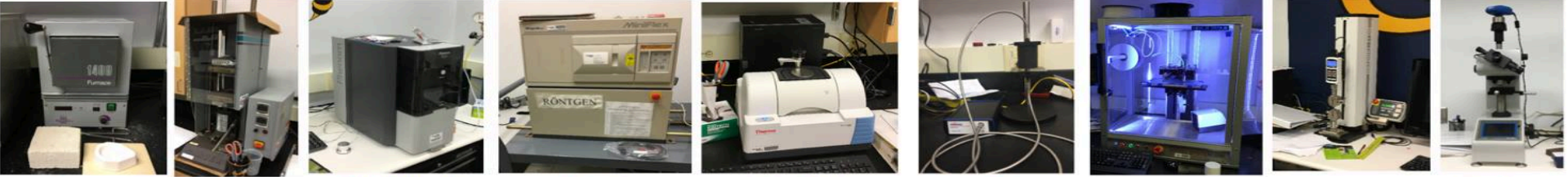
Invention Studio



School of Electrical Engineering



Aero Maker Space



Ceramic Processing

SEM/EDX

XRD

ATR-FTIR

UV/Vis

3D Printers

Mechanical

Hardness

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□ Benefits:

- Collaboration opportunities for faculty and students
- Strategic hiring of faculty in interdisciplinary areas
- Availability of specialty equipment/resources
- Ability to acquire shared use equipment and develop shared access facilities
- Developing and teaching cross-disciplinary courses

□ Challenges:

- Internal competition perceived to be tougher than external
- Handling student-faculty interactions (GRA funding)
- Maintaining/teaching cross-disciplinary courses