Engineering and Applied Mathematics Pathway

CIP CODE 14.0101

INTRODUCTORY LEVEL

Title	Code	Credit	Special Considerations
Production Print Reading I	21108	0.5	
Introduction to Engineering	41310	1	Required course for pathway approval.

TECHNICAL LEVEL

Title	Code	Credit	Special Considerations
Engineering Design	21006	1	Offer either 21006 or 21107, but not both.
Robotics I	21009	1	
Drafting/CAD	21107	1	Offer either 21006 or 21107, but not both.
Foundations of Electronics	21201	1	
Principles of Applied Engineering	41320	1	

APPLICATION LEVEL

Title	Code	Credit	Special Considerations
Engineering Design & Development	21007	1	
Digital Electronics	21008	1	
Computer Integrated Manufacturing	21010	1	
Civil Engineering & Architecture	21012	1	
Aerospace Engineering	21013	1	
Particular Topics in Engineering	21015	1	
Workplace Experience in Engineering – Comprehensive	21048	1	
Emerging Technologies	21053	1	
Workplace Experience in Engineering	41048	0.5	
Project Management	41350	0.5	
Materials Science in Engineering	41355	0.5	

APPROVED PATHWAY:

1. Includes a minimum of three secondary-level credits.
2. Includes a work-based element.
3. Consist of a sequence:
   a. Introductory-level course.
   b. Technical-level course.
   c. Application-level course.
4. Supporting documentation includes:
   a. Articulation Agreement(s).
   b. Certification.
   c. Program Improvement Plan.
   d. Program of Study.
5. Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.