



Career Pathway Plan of Study

Science, Technology, Engineering & Mathematics Engineering and Technology



Career & Technical Education
www.doe.state.in.us/octe

Indiana Department of Education

		Requirements for Core 40				CTE Course Sequences for Core 40 + Technical Honors Diploma		
	GRADE	English/ Language Arts	Math	Science	Phys Ed, Health, Social Studies	Course Sequence for This Pathway (Strongly Recommended Electives & Directed Electives)	*Additional Recommended Courses That Support This Pathway	SAMPLE Occupations for This Pathway
SECONDARY	9							<ul style="list-style-type: none"> ▶ 1. Aeronautical Engineer ▶ 2. Aerospace Engineer ▶ 3. Agricultural Engineer ▶ 4. Agricultural Technician ▶ 5. Application Engineer ▶ 6. Architectural Engineer ▶ 7. Automotive Engineer ▶ 8. Biomedical Engineer ▶ 9. Biotechnology Engineer ▶ 10. CAD Technician ▶ 11. Chemical Engineer ▶ 12. Civil Engineer ▶ 13. Communications Engineer ▶ 14. Computer Engineer ▶ 15. Computer Programmer ▶ 16. Construction Engineer ▶ 17. Electrical Engineer ▶ 18. Electronics Technician ▶ 19. Geothermal Engineer ▶ 20. Industrial Engineer ▶ 21. Manufacturing Engineer ▶ 22. Manufacturing Technician ▶ 23. Marine Engineer ▶ 24. Mechanical Engineer ▶ 25. Metallurgist ▶ 26. Mining Engineer ▶ 27. Nuclear Engineer ▶ 28. Petroleum Engineer ▶ 29. Product/Process Engineer ▶ 30. Survey Technician ▶ 31. Systems Engineer ▶ 32. Transportation Engineer
	10							
	11							
	12							
*Form is interactive; click on each box above to add Academic Honors courses or customize for your school or for individual students.					*Computer Integrated Manufacturing, Aerospace Technology, Civil Engineering & Architecture, or Biotechnology AND Engineering Design & Development			
		<p style="text-align: center;">Click here for a list of Post-Secondary Institutions offering degrees in Manufacturing, IT, STEM, and/or Transportation and Logistics</p>						

www.careerclusters.org

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