Name _____

Learner ID _____

School/College/University _____

SHS PLAN OF STUDY

Science, Technology, Engineering and Mathematics

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Science, Technology, Engineering and Mathematics Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/ or Degree Major Courses for Science, Technology, Engineering and	Other Electives	SAMPLE Occupations Relating to This Career Cluster
	Interest Inventory Administered and Plan of Study Initiated for all Learners								
SECONDARY	9	English I	Algebra I, Pt. 1, Algebra I Geometry	Physical Science	OK. History US Government	1 unit of Fine Arts, 2 units of Foreign Language or 2 units of Computer Technology	Technology Education Agriculture I	Band, Orchestra, Art, Speech & Drama, Choir, Careers, PE, Computer Technology, Family & Consumer Science	► Aerospace Engineer ► Agricultural Engineer ► Analytical Chemist ► Anthropologist ► Architectural Engineer ► Astrophysicist ► Biomedical Engineer ► CAD Technician ► Civil Engineer ► Computer Programmer ► Ecologist ► Geologist ► Geothermal Engineer ► Math Teacher ► Mathematician ► Metallurgist ► Statistician ► Survey Technician ► Zoologist
	10	English II	Alg. 1, Pt. 2, Alg. I	Biology	World History		Agriculture II	Ag Power & Tech I, Ag Power & Tech II, Computer Applications, Computer Programming, AP Biology, AP Chemistry, Physics and/or AP Physics, Zoology, Environmental Sci., Microbiology	
	11	English III	Geometry, Algebra II, Alg. III, or Trig/Pre-Calc., or AP Statistics or AP Calculus	Chemistry, and/or other lab sciences, including AP science courses.	American History		**Technology Center:** Drafting Pre-engineering Technology Bio Technician Electrical Technician Precision Metal Fabrication		
	12	English IV	Algebra II, Alg. III or Trig/Pre-Calc, and/or Ap Statistics., and/or AP Calculus						
	Articulation/Dual Credit Transcripted-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.								

POSTSECONDARY	Technology Center	Community College	College/University
	Automated Manufacturing Technology Drafting And CAD Electronics Industrial Maintenance Manufacturing Engineering Technology Precision Machining For more infor., visit **www.okcareertech.org**	Design Engineering Technology Pre-Engineering Industrial Drafting Biology Chemistry Physics Mathematics For more infor., visit **www.okhighered.org**	Mechanical Engineering Civil Engineering Mathematics Biology Biochemistry Chemistry Physics Management Science & Systems Analysis For more info., visit **www.okhighered.org**