

Course Overview: Focuses on careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services.

Biotechnology

Career Goal (O*NET Code): Biotechnology Technician (19-4021), Plant Breeder (19-1013), Geneticist (19-1029).

Student Name:	
Grade:	
School:	

			SUGGESTED COURSEV	VORK	EXTENDED LEARNING EXPERIENCES		
Middle School	_				Curricular Experiences:		Extracurricular Experiences:
idd Sho	8th	HS Courses:			Texas FFA Association		Agriscience Fair
N N							Farm Bureau Exchange Programs
	9th		English I World Geo				Language Immersion Programs
		Core Courses:	Algebra I Physical E				School Newspaper
			Biology Languages	s other than English I			Student Government
		Career-Related	Principles of Agriculture, Food and Natura	al Resources			UIL Academic Competitions
		Electives:	Timespies of Agriculture, 1 ood and Natural Resources				Yearbook
	10th		English II	World History			
		Core Courses:	Geometry	Languages other than English II	Career Learning Experiences	:	Service Learning Experiences:
ol			Chemistry		Career Preparation		Animal Rescue
)		Career-Related	C. I. W.		Internship		Animal Shelter
School		Electives:	Greenhouse Management		Job Shadowing		Boy/Girl Scouts
	11th		English III	United States History			Campus Service Organizations Community Service Volunteer
, the		Core Courses:	Algebra II	,			Peer Mentoring / Peer Tutoring
High			Physics				reer wentoring / reer rutoring
		Career-Related					
		Electives:	Biotechnology			COLLEGE CREDIT OPPORTUN	ITIES High School
	12th	Licentes.	English IV		Students should take Advanced Place	cement (AP), International Baccalaureate (IF	3), dual credit, Advanced Technical Credit (ATC), or locally
		Core Courses:	Precalculus	Government/Economics		ossible. List those courses that count for col	
			AP Biology	Floral Design (Fine Arts credit)			
		Career-Related	Agricultural Science Internship/Mentorshi	p or Advanced Plant and Soil Science or Advanced			
		Electives:	Animal Science	r			
	q						Professional Associations:
	On-the-Job Training	Laboratory Assistant	Greenhouse Worker	Plant Breeding Technician			American Society for Agricultural and Biological
		Insect Scout					Engineering
			may be started and/or completed as part of the high sc	hool experience.			American Society of Animal Science
	es			Career Options:		American Association for Laboratory Animal Science	
	icat	Private Pesticide App	licator OSHA CareerSafe		Veterinary Technician	Artificial Insemination Technician	<u>Technicians</u>
	Certifica				Artificial Insemination Technician	Collegiate FFA	
		NOTE: Students may earn all or part of these certificates as part of the high school experience.				Post-Secondary Agricultural Students Association	
	Associate Degrees			Career Options:	Forensic Science Technician		
ary		Applied Science	<u>Biotechnology</u>		Biotechnology Technician	Environmental Technician	
	Ass De				Biochemical Technician	Animal Health Technician	
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[0]	rees	Agricultural & Biolog	ical Biomedical Engineering	Entomology			
၁ခ	sact Deg	Engineering	Biomedical Science	Plant Science		<u> </u>	
Posts						Libbootito	
	ees	D. 1 . 1	G	Di . G . i	· !	Biochemist	
	rad)egr	Biological Science	Crop & Soil Science	Plant Genetics	1	Forensic Scientist	
					<u> </u>		
Postsecond	Graduate Bach Degrees Degr	Engineering Biological Science	·		Career Options: Biomedical Engineer Research Associate Career Options: Epidemiologist Veterinary Scientist	Forensic Scientist	a career path and is based on the most recent information as of

plans meet high school graduation requirements as well as college entrance requirements.