


College	Department		Phase 1 Courses	Phase 1 Assessments	Phase 2 Courses	Phase 2 Assessments	Phase 3 Courses	Phase 3 Assessments
<div></div> <div>College of Science & Engineering</div>	Biological and Environmental Sciences	BS Biology	CID 1300 or CID 2301 and BSC 1406 Introductory Biology	Career Assessment; Reflection Essay and Career/Goal Essay	BSC 303Cell Biology BSC 304 Genetics	Lab Experiment, Career Essay (Opportunities and Qualifications)	BSC 401 Research Literature and Seminar and BSC 498 Health Professional Internship	Job / Grad/Professional School Application. Internship placement in chosen career field related to Biology
		BS Wildlife and Conservation Sciences	CID 1300 or CID 2301 BSC 1413 Zoology	1) Career Assessment; 2) Reflection Essay and Career/Goal Essay	Ag/BSC 335 Wildlife Management I and Ag/BSC 336 Wildlife Management II	Essay related to the course content chapters and Essay on job opportunities and associated qualifications	Ag/BSC 316 Becoming a Wildlife Professional and Ag/BSC 405 Wildlife Internship	Career development assignment and Internship Log and Summay
		BS Environmental Sciences	CID 1300 or CID 2301 and ENVS 1301 Introdcution to Environmental Science	1) Career Assessment; 2) Reflection Essay and Career option Essay	Envs 303 Research methods in Envionmental Science Envs 308 Water Quality	Class research project and Career goal Essay	ENVS 403 Environmental Ethics and Law ENVS 405 Internship in Environmental Science	Job/Grad/Professional school application Internship placement in chosen career field related to Enviornmental Science
	Chemistry		CID 1301 and CID 2301	Skills assessment and Reflection Essay	CHEM 2323 Organic Chemistry I and CHEM 2325 Organic Chemistry II	American Chemical Society Exam	CHEM 418 Undergraduate Research	Cumulative Project
	Computer Science & Information Systems	BS COMPUTER INFORMATION SYSTEMS & BS CIS AT OUR DALLAS LOCATION	CSCI 303	New reflection Essay	CSCI 359	Project Team Forming, Participation in multiple team work activities	CSCI 499	New assignment will be added for Job / Grad school Application.Final Project Presentation
		BS Computer Science	CSCI 303	New reflection Essay	CSCI 359	Final project/ Career Goals Essay	EE 470 & EE 471	Job / Grad school application and Capstone project
		BS Cyber Security	CSCI 303	New reflection Essay	CSCI 399	Career Goals Essay	IE 471- Planning Industrial Systems Design and IE 495 - Industrial Systems Design (Senior Design Course)	Job / Grad school application and Capstone project
	Engineering & Technology	Electrical Engineering	ENGR 110	Career assessment and Reflection Essay. Career/ Goals essay	ENGR 2304-03E	Career Goals Essay	CONE 470, Preparation Capstone and CONE 471, Capstone	Job / Grad school application and Capstone project
		Industrial Engineering	ENGR 110	Career assessment and Reflection Essay. Career/ Goals essay	ENGR 2304-01 or 02	Career Goals Essay	TMGT 471 - Senior Design Course	Job / Grad school application and Capstone project
		Construction Engineering	ENGR 110	Career assessment and Reflection Essay. Career/ Goals essay	ENGR 2304-01 or 02	Career Goals Essay	CONE 470, Preparation Capstone and CONE 471, Capstone	Job / Grad school application and Capstone project
		Technology Management	ENGR 110	Career assessment and Reflection Essay. Career/ Goals essay	ENGR 2304-01 or 02	Career Goals Essay	TMGT 471 - Senior Design Course	Job / Grad school application and Capstone project
	Mathematics	Math	CID 1300 or CID 2301 MATH 2413 Calculus 1	1) Career Assessment; 2) Reflection Essay Discussion: Careers in STEM	Math 2305, Discrete Mathematics	Project: Careers related to topics in descrete math	Math 403, Mathetical Statistics MATH 436; 438, or 440	Discussion: careers that use statistics. Job/Grad school Application; Research project Discussion: being a resaercher in math . Job/Grad school Application
		Math with 7-12 Certification	CID 1300 or CID 2301 MATH 2413 Calculus 1	1) Career Assessment; 2) Reflection Essay Discussion: Careers in STEM	Math 2305, Discrete Mathematics; Math 2305 Math for Secondary Teachers	Project: Careers related to topics in descrete math; Discussion: being a teacher	SED 401, Technolgy Infused Curriculum and Assessment; SED 405, Secondary Residency Teaching	Job / Grad school Application; Student teaching placement
	Physics & Astronomy	Physics (non-teaching)	CID 1300 or CID 2301 Phys 101	1) Career Assessment; 2) Reflection Essay 3) AIP Career Tool #1	Phys 319 and Phys 335 or Phys 490	Phys 319 and 335: 1) Embedded homework questions 2) In-class discussions with alumni in workforce Phys 490: 1) Literature survey; 2) Capstone proposal	Phys 401 or Phys 491	1) Prepare Resume & CV 2) Write cover letter 3) Draft grad school essays 4) Present previous research/project 5) (Phys 401 only) Review a physics topic and its application
	Physics & Astronomy	Physics (teaching emphasis)	CID 1300 or CID 2301 Phys 101	1) Career Assessment; 2) Reflection Essay 3) AIP Career Toolbox	Phys 345 and Phys 371	1)Reading reflections on physics pedagogy techniques and completing a term project, which can be a literature review or a research project proposal. 2)Working on AIP Careers Tools 3 & 4. 3) Writing a Career reflection Essay	SED 404 and SED 405	Develop an application packet while student teaching in a secondary school.