Z College Catalog				
EGR-125	Appl Software for Tech		2 (1-2)	AND
Prerequisites:	None			
Corequisites:	None			
This course int	roduces personal computer	software and teach	ies studen	ts how to
customize the	software for technical applic	ations. Emphasis is	s placed or	n the use
of common off	ice applications software pr	ograms such as spr	eadsheets	, word
processing, gra	phics, and internet access. I	Jpon completion, s	tudents sh	ould be
able to demon	strate competency in using a	applications softwa	re to solve	e technical
problems and communicate the results in text and graphical formats.(2005 SP)				
EGR-150	Intro to Engineering		2 (1-2)	Fall
				Spring
Prerequisites:	None			
Corequisites:	None			

This course is an overview of the engineering profession. Topics include goal setting and career assessment, ethics, public safety, the engineering method and design process, written and oral communication, interpersonal skills and team building, and computer applications. Upon completion, students should be able to understand the engineering process, the engineering profession, and utilize college resources to meet their educational goals.(2005 SP) This course has been approved to satisfy the following requirement(s):

- Premajor and/or Elective course for A.A. and A.S.
- Other Required Hours course for A.E.

EGR-220 Engineering Statics 3 (3-0) AND Prerequisites: PHY-251^S

Corequisites: MAT-272^S

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This course introduces the concepts of engineering based on forces in equilibrium. Topics include concentrated forces, distributed forces, forces due to friction, and inertia as they apply to machines, structures, and systems. Upon completion, students should be able to solve problems which require the ability to analyze systems of forces in static equilibrium.(1997 FA) This course has been approved to satisfy the following requirement(s):

• Premajor and/or Elective course for A.A. and A.S.

• Other Gen. Ed. and Premajor Elective course for A.E.

EGR-251Statics3 (2-2)SummerPrerequisites: $A RC-111^L$, CEG-115^L or EGR-115^LSummerCorequisites:MA T-121^L or MA T-171^L

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This course covers the concepts and principles of statics. Topics include systems of forces and moments on structures in two- and three-dimensions in equilibrium. Upon completion, students should be able to analyze forces and moments on structures.(2013 FA)