

VDEO340 \$ (3)
Video Shooting

VDEO360 \$ (4)
3-D Imaging

Faculty

VDEO370 \$ (4)
3-D Animation

VDEO390 \$ (3)
DVD Authoring/Design

Academic Programs	Credits

VDEO465 \$ (3)
Video Documentary

اسر
Major requirements—40
Common core—19

Computer Science Emphasis
Required courses—9

Major electives—12

Cognate requirements—26–28

Software Systems Emphasis
Required courses—9

Major electives—12

Cognate requirements—36–38

اسر 20
Required courses—12

Minor electives—8

Notes:

Foundation—0–9

Core courses—10

Thesis—6

Electives—9–18

MSA: Engineering Management Emphasis

C (C)

C **E**

CPTR125 \$ (3)
Introduction to Computer Programming

CPTR460 \$ (3)
Software Engineering

CPTR465 Alt (3)
Computer Architecture

CPTR466 (2)
Software Engineering Group Project

CPTR467 Alt (3)
Database Concepts and Theory

CPTR475 (1–4)
Topics in GPU Programming

CPTR485 \$ Alt (3)
Computer Graphics

CPTR487 \$ Alt (3)
Artificial Intelligence

		CPTR698 <i>Master's Research Project</i>	(1-4)
CPTR568 <i>Advanced Computer Architecture</i>	Alt (3)	CPTR699 <i>Master's Thesis</i>	(1-6)
		E	
		ENGR120 <i>Introduction to Engineering</i>	\$ (2)
CPTR585 <i>Advanced Computer Graphics</i>	Alt (3)		
		ENGR125 <i>Engineering Graphics</i>	\$ (3)
CPTR587 <i>Advanced Artificial Intelligence</i>	Alt (3)		
		ENGR135 <i>Descriptive Geometry</i>	(1)
CPTR625 <i>Analysis of Algorithms</i>	Alt (3)		
		ENGR180 <i>Materials Science</i>	\$ (4)
CPTR637 <i>Formal Methods</i>	Alt (3)	ENGR185 <i>Engineering Statics</i>	(3)
CPTR660 <i>Thesis/Project Extension</i>	(0)	ENGR225 <i>Circuit Analysis</i>	\$ (3)
CPTR689 <i>Topics in _____</i>	(1-4)		
		ENGR248 <i>Workshop</i>	(1-4)
CPTR690 <i>Independent Study</i>	(1-4)	ENGR275 <i>Electronics I</i>	\$ (3)

ENGR430 <i>Quality Control</i>	(3)	ENGR495 <i>Independent Study</i>	(1-3)
ENGR435 <i>Electromagnetic Fields</i>	(3)	ENGR496 <i>Cooperative Work Experience</i>	(1-4)
ENGR440 <i>Heat and Mass Transfer</i>	(3)	ENGR497 <i>Cooperative Work Experience</i> ENGM520 <i>Ergonomics and Work Design</i>	(3)
ENGR450 <i>Engineering Economy</i>	(2)	ENGM530 <i>Advanced Quality Control</i>	(3)
ENGR455 <i>Communication Systems</i>	\$ (4)	ENGM555 <i>Facilities Planning</i>	(3)
ENGR465 <i>Operations Analysis and Modeling</i>	(3)	ENGM560 <i>Production and Operations Analysis</i>	(3)
ENGR470 <i>Finite Element Methods</i>	(3)	ENGM565 <i>Operations Analysis and Modeling</i>	(3)
ENGR475 <i>Topics in _____</i>	(1-4)	ENGM570 <i>Project Management</i>	(3)
ENGR491, 492 <i>Senior Design Project</i>	(2, 2)	ENGM690 <i>Independent Study</i>	(1-4)
		ENGM698 <i>Research</i>	(2)