GADOMSKI SCHOOL OF ENGINEERING

B.S. IN ENGINEERING MANAGEMENT

Aviation Management Concentration

This ***sample paradigm*** shows a normal 4-year progression towards a degree in engineering management with a concentration in aviation management. Some of the courses should be taken in this order due to prerequisite structures; others may be switched.

FRESHMAN YEAR

Semester I		Credits
MATH 117	Precalculus	3
ENG 123	Writing & Critical Literacy	3
MIS 153	Introduction to Computer Business Applications	3
CE 111 ***or*** ME 121	Civil Engineering Graphics or Solids Modeling	3
PSYC 105	General Psychology (SS GER)	3
CBU 101	Orientation	0
Total		**15**

Semester II		Credits
ENG 130	Writing & Critical Research	3
MATH 106	Applied Calculus I	3
AVTR 135	Introduction to Flight	3
CE 225 & Lab	Geomatics & Lab or	
or ME 201	Manufacturing Processes	3-4
—	General Education (Religious Studies)	3
Total		**15-16**

SOPHOMORE YEAR

Semester I		Credits
PHYS 201 & 201L	Introductory Physics I & Lab	4
STAT 223	Business Statistics	3
AVTR 204	Aviation Regulations	3
—	General Education (Social Sciences)	3
—	General Education (Literature)	3
Total		**16**

Semester II		Credits
ENG 371	Professional Communications	3
PHYS 202 & 202L	Introductory Physics II & Lab	4
ECE 362	Introduction to UAS	3
ENGR 109 & Lab	Introduction to Meteorology & Lab	4
—	General Education (Philosophy)	3
Total		**17**

JUNIOR YEAR

Semester I		Credits
ECON 214	Principles of Microeconomics (SS GER)	3
BLAW 345	Legal Environment of Business	3
AVTR 311	Introduction to Air Traffic Control	3
MGMT 227	Foundations of Management	3
ACCT 260	Financial Accounting	3
Total		**15**

Semester II		Credits
CM 235 ***or***	Construction Safety or	
ChE 412	Industrial/Process Safety	3
AVTR 402	Fiscal Aspects of Transportation	3
AVTR 430	Labor Relations in Transportation	3
AVTR 451	Airport Operations Workshop	1
PSYC 262	Organization Psychology	3
—	General Education (Religious Studies)	3
Total		**16**

SENIOR YEAR

Semester I		Credits
MKTG 311	Principles of Marketing	3
AVTR 453	Airline Management and Economics	3
AVTR 463	Aircraft Accident Investigation	3
PSYC 306	Human Factors	3
MGMT 352 ***or***	Organizational Behavior & Management or	
MGMT 412	Human Resource Management	3
Total		**15**

Semester II		Credits
AVTR 373	Transportation Safety Management Systems	3
AVMT 461	Aviation Maintenance Management	3
MGMT 430	Business Ethics	3
ENGR 423	Capstone Project	3
—	General Education (Science & Lab)	4
Total		**16**

Total credits required for bachelor's degree completion: 125-126