Engineering Technology, B.S. Aeronautical-Mechanical Concentration (MTAS) Major

School of Engineering and Engineering Technology - Department of Engineering Technology
Sequence Sheet for 2005-2006

First Semester - Fall 2005 (17 hours)

___ AAS 1001 Foundational Concepts Of Aviation Studies Lab (1)
___ AAS 1003 Foundational Concepts Of Aviation Studies (1)
___ BIBL 1003 Biblical Foundations For Living
___ DSTC 1203 Computer Aided Drafting And Design (2)
___ ENGL 1013 English Composition I
___ LETU 1101 Cornerstones Of Life And Learning
___ MATH 1303 Precalculus (1)
___ Fulfill English Proficiency Requirement (0 hours)

Second Semester - Spring 2006 (18 hours)

___ AAS 1401 DC Electricity Lab (1)
___ AAS 1403 DC Electricity (1)
___ BIBL 2003 Biblical Literature
___ ENGL 1023 English Composition II
___ ENGR 1812 Fundamentals Of Engineering Design
___ MATH 1252 Trigonometry (1)
___ PHYS 1111 General Physics I Lab (Spring only)
___ PHYS 1113 General Physics I (Spring only)

Third Semester - Fall 2006 (17 hours)

___ CHEM 1111 General Chemistry I Lab (Fall only)
___ CHEM 1113 General Chemistry I (Fall only)
___ EETC 1041 AC Electricity Lab (Fall only) (1)
___ EETC 1042 AC Electricity (Fall only) (1)
___ MATH 1603 Technical Calculus I (Fall only) (1)
___ METC 2013 Statics (Fall only) (1)
___ PHYS 1121 General Physics II Lab (Fall only)
___ PHYS 1123 General Physics II (Fall only)

Fourth Semester - Spring 2007 (16 hours)

___ AAS 2231 Intro. To Aircraft Systems Lab
___ AAS 2232 Intro. To Aircraft Systems
___ COMM 1113 Intro. To Speech Communication
___ EETC 3213 Digital Electronics (Spring only)
___ ENGR 1311 Manufacturing Processes Lab
___ MATH 1613 Technical Calculus II (Spring only)
___ METC 2023 Dynamics (Spring only) (1)

Fifth Semester - Fall 2007 (18 hours)

___ AAS 2441 Airframe Electrical Lab
___ AAS 2443 Airframe Electrical
___ AAS 3612 Intro. To Aircraft Gas Turbine Engines
___ COSC 1303 Computer Science I (3)
___ EETC 3413 Electrical Machinery (Fall only)
___ METC 3323 Strength Of Materials (Fall only)
___ BIBL Jr.-Sr. Level Elective (3 hours)

Sixth Semester - Spring 2008 (17 hours)

___ AAS 2213 Aircraft Metal Structures
___ ENGR 2313 Materials Engineering
___ KINE 1512 Concepts Of Lifetime Fitness
___ METC 4413 Kinematics Of Machines (Spring only)
___ METC 4433 Elements Of Machine Design (Spring only)
___ ENGL Literature Elective (3 hours)

Seventh Semester - Fall 2008 (15 hours)

___ AAS 3261 Aircraft Composites Lab (Fall only)
___ AAS 3262 Aircraft Composites (Fall only)
___ EETC 4233 Instrumentation And Controls (Fall only)
___ METC 3713 Thermodynamics (Fall only)
___ METC 4113 Engineering Technology Measurements Lab (Fall only)
___ METC 4813 Mechanical Engineering Technology Design I (Fall only)

Eighth Semester - Spring 2009 (16 hours)

___ KINE Physical Activities
___ METC 4513 Fluid Mechanics (Spring only)
___ METC 4823 Mechanical Engineering Technology Design II (Spring only)
___ MGMT 2303 Principles Of Management (4)
___ BIBL Jr.-Sr. Level Elective (3 hours)
___ HIST History Elective (3 hours)

Total hours: 134

Notes:
1: Minimum grade of 'C' required
2: DSTC 1203 is for students who have completed a drafting course. DSTC 1022 is required as a deficiency course for students with no drafting experience.
3: MATH 1423 Elementary Statistics may be substituted for COSC 1303.
4: BMKT 2503 Principles of Marketing or BUSI 3103 Business Law may be substituted for BMGT 2303.