

Table of Contents

Aerospace Studies..... 1

Aerospace Studies

Aerospace Studies is a voluntary course sequence delivered in conjunction with the AFROTC program on the SIU campus. Successful completion of the AFROTC program leads to a commission as an officer in the United States Air Force. Students who do not intend to obtain a commission may enroll in the academic portion of the Aerospace Studies curriculum. Enrollment in the academic portions of the Aerospace Studies curriculum is unrestricted, and students incur no military obligation. Only those students who apply for and meet the eligibility criteria for the AFROTC program are permitted to enroll in the laboratory portions of the Aerospace Studies curriculum.

The Aerospace Studies/AFROTC program is divided into the General Military Course (GMC), designed for students with three to five years remaining until graduation, and the two-year Professional Officer Course (POC), for which AFROTC cadets are competitively selected.

The AFROTC GMC prepares students for the POC and provides them with an education focusing on the Air Force Core Values. The GMC courses are designed to provide the basic knowledge, understanding, and experiences, required to compete for selection into the POC. The student learns about followership, leadership, character development, and the values necessary to lead Airmen. Students interested in participating in the AFROTC GMC may enroll, but are subject to certain physical, medical, and other eligibility criteria as specified by the Department of Defense.

Acceptance into the AFROTC Professional Officer Course is highly competitive and requires the applicant to meet all Air Force officer accession standards. Students selected for the POC incur a military obligation. They are paid a monthly tax-free subsistence allowance.

Students selected for continuation into the POC attend a four-week field-training course during the summer prior to entering the POC.

Students interested in an Air Force flying career (Pilot, Remotely Piloted Aircraft, Combat Systems Officer, or Air Battle Manager) are not required to pursue any specific degree. Students interested in an Air Force flying career should select an academic major in a career field which interests them in the event they are not selected for an Air Force flying career. Leadership Laboratory is a supervised laboratory taken concurrently with the Aerospace Studies courses.

Only cadets enrolled in the AFROTC program may participate in the Leadership Laboratory. Non-AFROTC students taking Aerospace Studies courses are not allowed to enroll in the Leadership Laboratory. While enrolled in the GMC, cadets develop leadership potential by participating in practical leadership situations, participating in and leading drill and ceremonies, learning military customs and courtesies, and engaging in regular physical training.

POC cadets develop leadership skills by assuming command and staff responsibilities, supervising GMC cadets, and implementing the goals and training objectives of the AFROTC Leadership Laboratory.

Well-qualified cadets enrolled in the AFROTC program are eligible to compete for scholarships for their remaining years at the University. In addition to tuition, books, and fees, the scholarship provides a monthly tax-free subsistence allowance. Tuition waivers are also available on a competitive basis through the Illinois State ROTC Scholarship program. Scholarships do not include costs associated with room and board.

In addition to the AFROTC commissioning program and courses offered for academic credit, The Department of Aerospace Studies sponsors many extracurricular activities. The Aerospace Club is open to all members of the student body. The Arnold Air Society, a national honorary service organization, is open to selected AFROTC cadets. The AFROTC Honor Guard is open to AFROTC cadets on a competitive basis. Honor Guard members participate in local community events and in drill competitions throughout the region.

Further information may be obtained from the Department of Aerospace Studies (Air Force ROTC), Mailcode 6718, Carbondale, Illinois 62901, by phone at 618-453-2481, or on the web at afrotc.siu.edu.

Aerospace Studies Minor

A minor in Aerospace Studies is structured to broaden the background of students so they may learn more about the Air Force, its role in society, its history, and its officers. With a minor in Aerospace Studies, the civilian leaders of tomorrow will have a better understanding and appreciation of the vital role the Air Force performs in today's world. AFROTC cadets are also welcome to declare Aerospace Studies as a minor.

A minor in Aerospace Studies consists of a minimum of 16 semester hours, including AS 101, AS 102, AS 201, AS 202 (one semester hour each), AS 301, AS 302, AS 401, and AS 402 (three semester hours each).

Declaration and/or acceptance of Aerospace Studies as a minor does not constitute acceptance into the General Military Course, the Professional Officer Course, or any other association with the Air Force or AFROTC. A student who is not an AFROTC cadet who wishes to work toward a minor by attending the Aerospace Studies academic courses will be listed within the Department of Aerospace Studies as a special student. He or she may not attend any other AFROTC functions or classes, nor will the student be considered for any AFROTC scholarships, stipends, or privileges.

Aerospace Studies Courses

AS101 - Heritage and Values I 101-1 Heritage and Values I. Part 1 of a 2-part course. This is a survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force. Course is open to all students. If the student is a member of the AFROTC Program, concurrent enrollment in AS 101A and AS 201 is required.

AS101A - Leadership Laboratory 101A-5 Leadership Laboratory. Weekly laboratory consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies. A mandatory fitness program is included; a pre-participatory sports physical must be completed prior to entering the fitness program. First-year students are introduced to basic Air Force concepts and practices. Course is only open to students who are members of the AFROTC Program and concurrent enrollment in AS 101 is required.

AS102 - Heritage and Values II 102-1 Heritage and Values II. Part 2 of a 2-part course. This is a survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force. Course is open to all students. If the student is a member of the AFROTC Program, concurrent enrollment in AS 102A and AS 202 is required.

AS102A - Leadership Laboratory 102A-5 Leadership Laboratory. Weekly laboratory consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies. A mandatory fitness program is included; a pre-participatory sports physical must be completed prior to entering the fitness program. First-year students are introduced to basic Air Force concepts and practices. Course is only open to students who are members of the AFROTC Program and concurrent enrollment in AS 102 is required.

AS201 - Team & Leadership I 201-1 Team and Leadership Fundamentals I. Part 1 of a 2-part course. This course provides a fundamental understanding of both leadership and team building. The lessons and course flow are designed to prepare cadets for field training and leadership positions in the detachment. Course is open to all students. If the student is a member of the AFROTC Program, concurrent enrollment in AS 101 and AS 201A is required.

AS201A - Leadership Laboratory 201A-5 Leadership Laboratory. Weekly laboratory consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies. A mandatory fitness program is included; a pre-participatory sports physical must be completed prior to entering the fitness program. Course helps second-year students prepare for the Air Force summer training program between

the second and third years of the Air Force ROTC program. Course is only open to students who are members of the AFROTC Program and concurrent enrollment in AS 201 is required.

AS202 - Team & Leadership II 202-1 Team and Leadership Fundamentals II. Part 2 of a 2-part course. This course provides a fundamental understanding of both leadership and team building. The lessons and course flow are designed to prepare cadets for field training and leadership positions in the detachment. Course is open to all students. If the student is a member of the AFROTC Program, concurrent enrollment in AS 102 and AS 202A is required.

AS202A - Leadership Laboratory 202A-.5 Leadership Laboratory. Weekly laboratory consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies. A mandatory fitness program is included; a pre-participatory sports physical must be completed prior to entering the fitness program. Course helps second-year students prepare for the Air Force summer training program between the second and third years of the Air Force ROTC program. Course is only open to students who are members of the AFROTC Program and concurrent enrollment in AS 202 is required.

AS258 - Work Experience 258-1 to 12 Aerospace Studies Work Experience. Credit granted for military service. The department director may accredit up to the entire General Military Course (GMC) (4 hours for non-AFROTC students and 12 hours for AFROTC cadets). Students seeking accreditation must have received an honorable or general discharge. Credit to be determined by departmental evaluation. Students seeking accreditation for any period of military service must provide their DD Form 214. Restricted to students with 6 semester hours of AS courses with a C or better and permission of the instructor.

AS259 - Occupational Training 259-1 to 12 Aerospace Studies Occupational Education Training. Credit is awarded for certain documented aerospace education or training related to the student's educational objectives. Credit will be established by departmental evaluation. Restricted to students with 6 semester hours of AS courses with a C or better and permission of the instructor.

AS301 - Leading People I 301-3 Leading People and Effective Communication I. Part 1 of a 2-part course. This course utilizes cadet's field training experience to take a more in-depth look at leadership. Special emphasis is placed on enhancing communication skills, and why that is important as a leader. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors. Course is open to all students. If the student is a member of the AFROTC Program, concurrent enrollment in AS 301A is required.

AS301A - Leadership Laboratory 301A-.5 Leadership Laboratory. Weekly laboratory consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies. A mandatory fitness program is included. Third-year students demonstrate practical application of leadership concepts learned during previous summer training program. Course is only open to students who are members of the AFROTC Program and concurrent enrollment in AS 301 is required.

AS302 - Leading People II 302-3 Leading People and Effective Communication II. Part 2 of a 2-part course. This course utilizes cadet's field training experience to take a more in-depth look at leadership. Special emphasis is placed on enhancing communication skills, and why that is important as a leader. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors. Course is open to all students. If the student is a member of the AFROTC Program, concurrent enrollment in AS 302A is required.

AS302A - Leadership Laboratory 302A-.5 Leadership Laboratory. Weekly laboratory consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies. A mandatory fitness program is included. Third-year students demonstrate practical application of leadership concepts learned during previous summer training program. Course is only open to students who are members of the AFROTC Program and concurrent enrollment in AS 302 is required.

AS401 - National Security I 401-3 National Security/Commissioning Preparation I. Part 1 of a 2-part course. This course is designed for college seniors and gives them the foundation to understand their role as military officers and how they are directly tied to our National Security Strategy. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication

commensurate with the senior college level. Course is open to all students. If the student is a member of the AFROTC Program, concurrent enrollment in AS 401A is required.

AS401A - Leadership Laboratory 401A-.5 Leadership Laboratory. Weekly laboratory consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies. A mandatory fitness program is included. Fourth-year students demonstrate practical application of leadership concepts through leadership of the cadet corps. Course is only open to students who are members of the AFROTC Program and concurrent enrollment in AS 401 is required. Not for graduate credit.

AS402 - National Security II 402-3 National Security/Commissioning Preparation II. Part 2 of a 2-part course. This course is designed for college seniors and gives them the foundation to understand their role as military officers and how they are directly tied to our National Security Strategy. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. Course is open to all students. If the student is a member of the AFROTC Program, concurrent enrollment in AS 402A is required.

AS402A - Leadership Laboratory 402A-.5 Leadership Laboratory. Weekly laboratory consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies. A mandatory fitness program is included. Fourth-year students demonstrate practical application of leadership concepts through leadership of the cadet corps. Course is only open to students who are members of the AFROTC Program and concurrent enrollment in AS 402 is required. Not for graduate credit.

Aerospace Studies Faculty

Anderson, Anthony J., Lieutenant Colonel, USAF. Adjunct Professor of Aerospace Studies, MA (Education & Leadership), Touro International University, 2008.

Drew, Christopher D., Adjunct Assistant Professor of Aerospace Studies, BS (Electrical Engineering), Oklahoma State University, 1996.

Last updated: 03/04/2021

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Catalog Year Statement:

Students starting their collegiate training during the period of time covered by this catalog (see bottom of this page) are subject to the curricular requirements as specified herein. The requirements herein will extend for a seven calendar-year period from the date of entry for baccalaureate programs and three years for associate programs. Should the University change the course requirements contained herein subsequently, students are assured that necessary adjustments will be made so that no additional time is required of them.