

BEHAVIORAL SCIENCE COURSES

USAFA Core	Semester
110 Introduction to Behavioral Sciences	S/F
310 Foundations for Leadership and Character Development	S/F
Behavioral Science Majors' Core	Semester
231 Basic Research Methods and Statistical Tools	S
332 Advanced Research Methods and Statistical Tools	F
497 Senior Capstone Seminar in the Behavioral Sciences	S
498 Senior Capstone Project in the Behavioral Sciences	F
Behavioral Science Electives	Semester
330 Abnormal Psychology	F
335 Learning and Cognition	S/F
352 Social Psychology	S
355 Brain and Behavior	F
358 Sociology of Violence and War	F
360 Sociology	S
362 Class, Race, and Gender	F
373 Introduction to Human Factors Engineering	S/F
375 Human Factors in Aviation Systems Engineering	F
380 Theories of Personality	F
390 Sensation and Perception	S
411 Leading Across the Full Range of Leadership	S
412 Leading Team and Organizational Change	F
440 Lifespan Development	S
471 Engineering Psychology	F
473 Human Factors Engineering in Systems Design	S
495 Special Topics	F or S
499 Independent Study	S/F
S-Spring Semester	F-Fall Semester

ADVISORS-IN-CHARGE:

MAJ STEVEN LIZZOL (333-2094, OFFICE 6L-137)

CAPT DANIEL MOORE (333-2905, OFFICE 6L-141)



WHAT CAN I DO IN THE AIR FORCE?

Graduates from the Behavioral Sciences and Leadership major at USAFA are found in almost every career field in the Air Force. They may be pilots, navigators, maintenance officers, communications officers, intelligence officers, security police, or OSI officers to name just a few. The courses you take in the Behavioral Sciences and Leadership major provide the foundation for understanding how people work together and how to develop more effective organizations and systems.

A few of our graduates are competitively selected to enter directly into the Behavioral Scientist career field each year. Graduates assigned to the Behavioral Scientist career field may work as research scientists, program managers, or as a Military Information Support Operations Officer (Psychological Operations Officer) in the Information Operations field. For further information see the Cadet Curriculum Handbook or contact the DFBL AIC.



UNITED STATES AIR FORCE ACADEMY

DEPARTMENT OF BEHAVIORAL SCIENCES & LEADERSHIP



DEPARTMENT OF BEHAVIORAL SCIENCE AND LEADERSHIP

No matter what you do in life, there is one irrefutable fact: you will work with other people. Therefore, your success in any field depends largely on your understanding of yourself, others, and how teams work together. The Behavioral Sciences major lays the foundation for this understanding and allows cadets the opportunity to map a path of study through a diverse menu of courses aligned with their professional and educational goals.

Our mission is to nurture and empower cadets and faculty to grow professionally and personally in a culture of respect and scientific thinking. Our vision is to be internationally known as a leader in the study and application of behavioral sciences to meet the needs of a 21st century Air Force. Our goals are to:

1. Develop Inclusive Leaders who Respect the Human Dignity of all People.
2. Deliver world class education experiences using scientific thinking in multiple behavioral sciences disciplines.

Our curriculum is focused on achieving three outcomes:

1. Breadth of scientific knowledge in the behavioral sciences
2. Scientific reasoning and thought based on empirical evidence
3. Respect for human dignity in all interactions with other people

CONCENTRATIONS

In the major, students have the choice to select a breadth of courses from across the many academic disciplines in the Behavioral Sciences or to select a sequence of courses that provide depth in a concentration area. The following Behavioral Sciences concentrations are designed to support Air Force relevant competencies. Cadets may choose from one or more of the concentrations below or design their own course of study in the major with the advice of an academic advisor.

Clinical/Counseling Psychology Concentration: The clinical/counseling concentration integrates scientific principles of the biological, psychological and sociocultural theories of human behavior to better understand and explain healthy functioning and development while also exploring the processes and strategies for alleviating dysfunction or distress. The course work for this concentration focuses on the cognitive, biological, psychological, social and behavioral aspects of human functioning across the life span. The concentration is well suited for leaders wanting to better understand how to assist subordinates with the stresses and challenges of life in the Air Force.

- Beh Sci 330 Abnormal Psychology
- Beh Sci 335 Learning and Cognition
- Beh Sci 352 Social Psychology
- Beh Sci 355 Brain and Behavior

- Beh Sci 360 Sociology
- Beh Sci 362 Class, Race, and Gender
- Beh Sci 380 Theories of Personality
- Beh Sci 411 Leading Across the Full Range of Leadership
- Beh Sci 440 Lifespan Development
- Beh Sci 499 Independent Study

Experimental Psychology Concentration: This concentration explores the breadth of the scientific roots of our discipline. Coursework emphasizes the rigorous implementation of the scientific method, especially those perspectives that are foundational to the laboratory study of psychology (e.g., sensation and perception, learning and cognition, and brain and behavior). These topics are the conceptual groundwork for most fields in psychology such as clinical/counseling psychology, social psychology/leadership studies, and human factors. This concentration is an excellent choice for students wanting to learn more about many core topics introduced in Beh Sci 110.

- Beh Sci 335 Learning and Cognition
- Beh Sci 355 Brain and Behavior
- Beh Sci 390 Sensation and Perception
- Beh Sci 499 Independent Study

Leadership Concentration: The leadership concentration involves the scientific study of leadership in an organizational context focusing on the integration of theory and practice. The course work challenges students to expand the ways in which they understand and address complex issues and problems. Multiple leadership frameworks are engaged both academically and experientially as students explore how to lead teams and organizations effectively. This concentration will prepare cadets to use a range of perspectives and theoretical constructs to analyze, critique, and make decisions about an array of leadership and organizational issues and problems. Cadets can apply the knowledge gained in this concentration to their experience as cadet leaders in the Cadet Wing. This concentration has direct relevance for a career as Air Force officers. The underlying basis of this concentration is that it has direct and immediate relevance to the lives of our graduates during their careers as Air Force officers and beyond.

- Beh Sci 335 Learning and Cognition
- Beh Sci 352 Social Psychology
- Beh Sci 360 Sociology
- Beh Sci 362 Class, Race, and Gender
- Beh Sci 380 Theories of Personality
- Beh Sci 411 Leading Across the Full Range of Leadership
- Beh Sci 412 Leading Team and Organizational Change
- Beh Sci 499 Independent Study

Sociocultural Concentration: The sociocultural concentration is the study of social life, social change, and the social causes and consequences of human behavior. Given the complexities and intricacies of societies and the fact that all human behavior is social, the subject matter of sociology ranges from the intimate family to the hostile mob; from organized crime to religious traditions; from the divisions of race, gender, and social class to the shared beliefs of the common culture. This concentration develops cross-

cultural competence and the ability to understand and analyze the cultures, beliefs, values, and institutions of foreign societies; it also prepares cadets to lead by deepening their understanding of Airmen and American society. This concentration is well-suited for cadets interested in Influence and Information Operations.

- Beh Sci 352 Social Psychology
- Beh Sci 358 Sociology of Violence and War
- Beh Sci 360 Sociology
- Beh Sci 362 Class, Race, and Gender
- Beh Sci 412 Leading Teams and Organizational Change
- Beh Sci 440 Lifespan Development
- Beh Sci 499 Independent Study

Human Factors Concentration: Human factors is a scientific discipline that is concerned with understanding how humans interact with their environment or a system. The focus is on answering real-world research questions to support the Warfighter. This is accomplished by understanding human capabilities and limitations and using that knowledge to increase safety, satisfaction, and reduce human error. The coursework focuses on human capabilities and limitations in a variety of disciplines including sensation and perception, cognition and decision making, individual differences, communication, physiology, neurophysiology, and ergonomics. This concentration is well-suited for cadets entering aviation and space related career fields. NOTE: This concentration is not an accredited engineering degree; cadets interested in graduating with an HF-related accredited engineering degree should consider a Systems Engineering degree with an HF emphasis.

Beh Sci 373 Introduction to Human Factors Engineering
Beh Sci 375 Human Factors in Aviation Systems Engineering
Beh Sci 412 Leading Team and Organizational Change
Beh Sci 471 Engineering Psychology
Beh Sci 473 Human Factors Engineering in Systems Design
Sys Engr 470 Human Systems Integration
Beh Sci 499 Independent Study

Health Profession Concentrations: The following health profession concentrations are available for Behavioral Science majors:

- Pre-Med
- Pre-Nursing
- Dental
- Physician Assistant
- Physical Therapy
- Clinical Psychology
- Aerospace Physiology



Cadets looking to pursue these concentrations should contact DFBL's Advisor in Charge for concentration requirement information and will coordinate with a Health Professions Advising Center (HPAC) advisor located within the Departments of Chemistry and Biology.