

AVIATION (AVIA)

AVIA 505 Aviation Context & Foundations 3 Credit Hour(s)

This course provides perspective on the study of aviation. Students will research key areas relating to aviation, history, leadership, ethics, and risk. Students will be challenged to synthesize these concepts with a Biblical perspective.

Offered: Online

AVIA 525 Applied Aviation Research 3 Credit Hour(s)

This course prepares students for writing and research in aviation. Students in this course explore, analyze, and synthesize aviation literature. These skills will be applied in an APA research paper.

Offered: Online

AVIA 535 Developing Aviation Leaders 3 Credit Hour(s)

Leaders in aviation must grow and develop new leaders. This course will explore and analyze how to disciple and mentor developing leaders for leading effectively in positions of higher authority and responsibility.

Offered: Online

AVIA 536 Contemporary Aviation Leadership 3 Credit Hour(s)

Students will explore and investigate leadership in the rapidly changing aviation industry. The course will cover changes in technology, issues of differing generations, applications in the digital realm, as well as other contemporary issues.

Offered: Online

AVIA 537 Aviation Organizational Leadership 3 Credit Hour(s)

Students will explore and investigate issues and problems that are unique to leading in aviation organizations. The course will cover methods of strategic planning and effective leadership in an environment of rapidly changing technology, world-wide impact, vast media attention, strict regulatory regimes, and other factors.

Offered: Online

AVIA 542 Aviation Teaching and Learning Strategies 3 Credit Hour(s)

This course will cover teaching and learning theory and methods for the aviation discipline. The primary focus is on effective teaching and learning strategies for higher education students and adult learners. The use of instructional technologies and aviation learning laboratories for effective learning will be explored.

Offered: Online

AVIA 543 Ethics in Aerospace Decision Making 3 Credit Hour(s)

This course explores the ethics of aerospace decision making through analysis of various aviation practices and principles from a leadership perspective. Students will develop a biblical foundation for leadership practices and decision making in the aviation industry.

Offered: Online

AVIA 544 Aerospace Education and Training Leadership 3 Credit Hour(s)

This course explores the nature and practical application of leadership in aerospace education and training organizations. Students will develop a biblical foundation for leadership practices in aerospace education and training environments.

Offered: Online

AVIA 545 Aviation Curriculum Development 3 Credit Hour(s)

This course will investigate and explore curriculum development theory and methods for aviation education and training. Students will learn from a biblical foundation how to develop curriculum strategies for effective learning in aviation applications.

Offered: Online

AVIA 571 Safety Fundamentals in Aeronautics 3 Credit Hour(s)

This course prepares students to understand safety fundamentals in aeronautics. These skills are applied to optimizing performance to improve systems and safety. Students will be challenged to apply a biblical world perspective to human factors discussed.

Offered: Online

AVIA 572 Applied Human Factors 3 Credit Hour(s)

This course prepares students to understand human behavior in aviation performance. These skills are applied to optimizing performance to improve systems and safety. Students will be challenged to apply a biblical world perspective to human factors discussed.

Offered: Online

AVIA 573 Safety Culture Methods 3 Credit Hour(s)

Students will study and discuss the importance of a healthy organizational culture to influence safety in the aeronautics profession. Emphasis will be placed in adapting a Biblical perspective to influence team behavior.

Offered: Online

AVIA 574 Graduate Safety Analysis 3 Credit Hour(s)

This course includes a survey of advanced safety analysis techniques before and after mishaps. Methods explored will include engineering and forensic investigations, animation recreation, safety reporting, and data aggregation and analysis. Students will be challenged to integrate a Biblical worldview while using various tools to deepen their understanding of safety.

Offered: Online

AVIA 575 Contemporary Issues in Aviation Safety 3 Credit Hour(s)

Students will explore global issues and challenges faced by leaders in the aviation safety community. Certain student projects will be contextualized through the lens of the Christian Church at work in the world.

Offered: Online

AVIA 605 Aviation Law 3 Credit Hour(s)

This course includes Federal, State, and local laws applied to aviation. Jurisdictional boundaries and the Biblical basis for the fundamental principles of Administrative Law, Common Law, and Legislative law will be covered.

Offered: Online

AVIA 680 Capstone Proposal 3 Credit Hour(s)

Online Prerequisite: AVIA 505 and AVIA 525

Students will research and investigate an aviation topic using scholarly sources and develop a Capstone Project Proposal that will be implemented in AVIA 681. The goal of the aviation capstone is to provide students with an industry-centered educational experience focused within their chosen cognate. The capstone experience seeks to challenge and expose students to cognate specific real-world problems, constraints, and performance issues. Students will seamlessly merge a biblical worldview into practical applications throughout the culminating capstone experience.

Registration Restrictions: Consecutive enrollment with AVIA 681. Must be taken the final semester of student's degree completion. AVIA 680 must be taken term prior (touching terms) to AVIA 681.

Offered: Online

AVIA 681 Capstone Project 3 Credit Hour(s)

Online Prerequisite: AVIA 505 and AVIA 525 and AVIA 680

Students will complete their proposed aviation Capstone Project through the implementation phase while working with their Capstone Project mentor. The goal of the aviation capstone is to provide students with an industry-centered educational experience focused within their chosen cognate. The capstone experience seeks to challenge and expose students to cognate specific real-world problems, constraints, and performance issues. Students will seamlessly merge a biblical worldview into practical applications throughout the culminating capstone experience. Registration

Note: AVIA 681 must be a consecutive enrollment with AVIA 680.

AVIA 681 must be taken the final term of student's degree completion.

AVIA 680 must be taken term prior (touching terms) to AVIA 681.

Offered: Online