

**The University of Jordan**  
**School of Engineering**



Department	Course Name	Course Number	Semester
Mechanical Engineering	Employability Readiness and Field Training (Aeronautical Engineering)	0994593	Fall

**2024 Course Catalog Description**

The course offers a comprehensive blend of theoretical and practical instruction, spanning university classrooms and external settings such as companies, factories, and government institutions. Intensive coursework, totaling 105-120 contact hours over four weeks, covers essential topics like: Technical Skills Development, Teamwork, Written and Oral Communications, Career Services, Networking and Professional Associations, Work Ethics, Professionalism, Industry Projects and Case Studies, Certification and Continuing Education. Emphasis is placed on practical application through assignments, assessments, and field training, both domestically and internationally. The program aligns with University of Jordan regulations and aims to equip students with the skills necessary for successful careers.

The field training should focus on aircraft power plant and its components according to the course syllabus. The student must be able to apply for the Airframe and Power plant (A&P) license.

**Topics Covered**

Week	Topics
1	Module 1: Technical Skills Development, Teamwork, Written and Oral Communications Day 1: Team Dynamics and Project Management Day 2: Technical Writing and Public Speaking Day 3: Engineering Programming Tools, and Data Analysis Day 4: Conflict Resolution and Leadership Day 5: Presentation Skills
2	Module 2: Career Services, Networking and Professional Associations Day 1: Understanding Work Ethics Day 2: Professionalism in the Workplace Day 3: Introduction to Industrial Projects Day 4: Project Development and Execution Day 5: Analyzing Industry Case Studies, Presentation and Feedback
3	Module 3: Work Ethics, Professionalism, Industry Projects and Case Studies Day 1: Resume and Cover Letter Writing Day 2: Job Search Strategies and Interview Preparation Day 3: Building and Maintaining a Professional Network Day 4: Leveraging Online Platforms for Networking Day 5: Understanding and Engaging with Professional Associations
4	Module IV: Certification and Continuing Education Day 1: Lifelong Learning and Professional Development Day 2: Creating a Personal Development Plan Day 3: Practical Application and Skills Development Day 4: Presentations and Feedback Day 5: Introduction and Preparing for Professional Certifications
5-12	Field Training: Aircraft Power Plant and its Components Airframe and Power plant (A&P) License
13	Poster Presentation

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<b>Evaluation</b>		
<b>Assessment Tools</b>	<b>Details</b>	<b>Weight</b>
<b>Midterm Exam (25%)</b>	Written Exam	25%
<b>Semester Coursework (35%)</b>	PowerPoint Presentation	20%
	Writing a C.V.	5%
	Participation	10%
<b>Final Exam (Field Training) (40%)</b>	Weekly Progress Reports	5%
	Final Report	5%
	Confidential Report (Employer Feedback)	10%
	Poster Presentation	20%
<b>Contribution of Course to Meet the Professional Components</b>		
The program aligns with University of Jordan regulations and aims to bridge the gap between the school undergraduate employability skills and the market needs.		
<b>Prepared by Employability Readiness Committee, 2024</b>		