

# Oil and Gas Artificial Intelligence Master Program

## Training plan

### I. Program Introduction and Training Objectives

The Oil and Gas Artificial Intelligence Master Program is designed to provide students with a comprehensive understanding of the intersection of artificial intelligence and the oil and gas industry. The program covers the following areas:

- Advanced algorithms and machine learning techniques for data analysis in the oil and gas sector.
- Optimization of production processes and resource allocation using AI models.
- Development of intelligent systems for predictive maintenance and safety monitoring.
- Integration of AI with existing infrastructure and data sources.

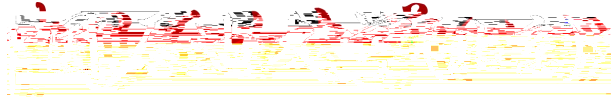


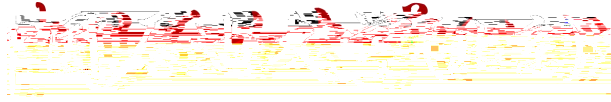
### II. Training Directions

1. Intelligent Exploration and Production
2. Intelligent Refining and Petrochemicals

### III. Training Mode and Duration:

The training mode is full-time, and the duration is 2 years. The first year focuses on theoretical knowledge and basic skills, while the second year emphasizes practical application and research. The program includes coursework, laboratory work, and a thesis. The training mode is full-time, and the duration is 2 years. The first year focuses on theoretical knowledge and basic skills, while the second year emphasizes practical application and research. The program includes coursework, laboratory work, and a thesis.





Course categor	Course number	Course title	Credit	Class hour	Semester	P
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		C		48			

**VI. Organization and Requirements for Comprehensive Project Practice**



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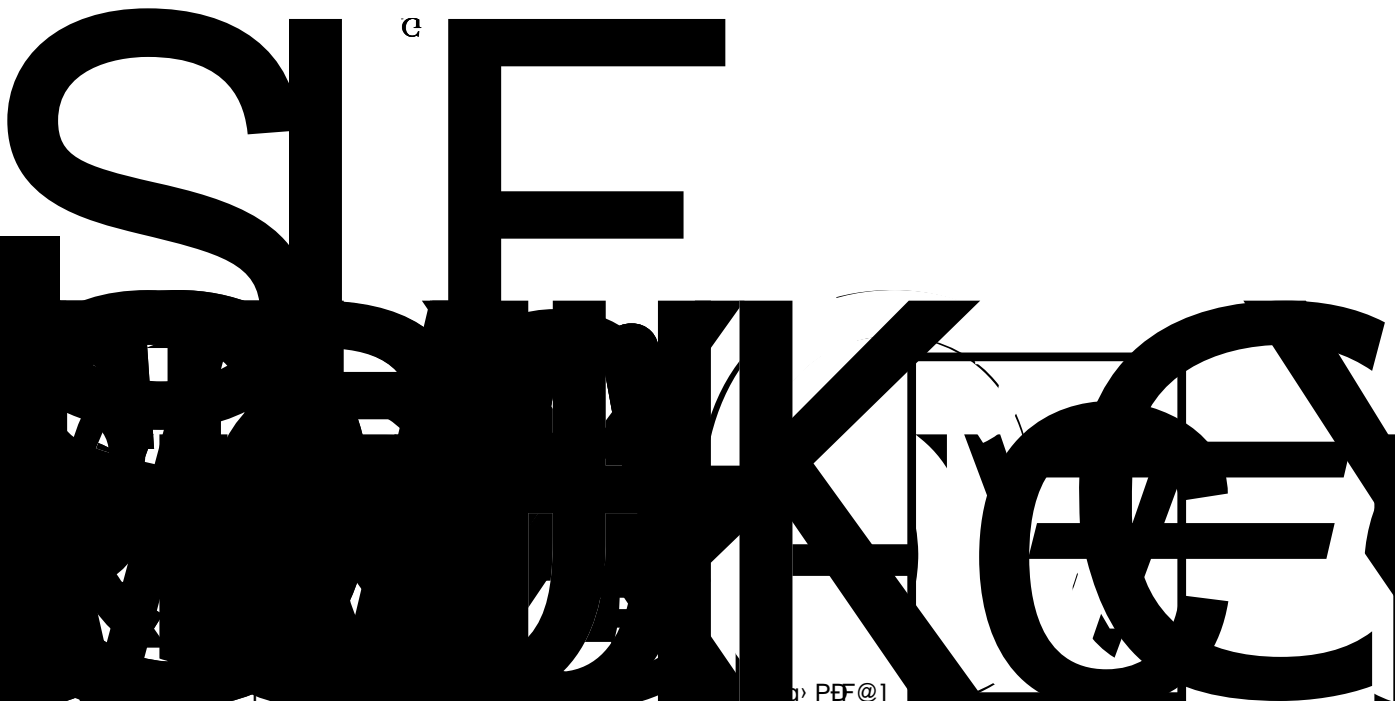
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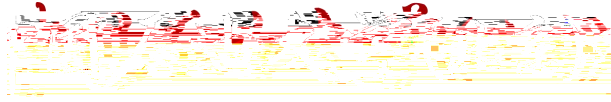


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**VII. Mid-Term Assessment:**

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**VIII. Thesis:**

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