

Year	Semester	Course Code	Course Title	Course Type	Co	Prerequisites	Course Code	Course Title	Course Type	Co	Prerequisites
Year 1	1 (Spring)	ENIN101	Calculus for Engineering	1	0	Ed Ed Course (Chapter 1: Area 1: Quantitative Reasoning)	ENIN101	Calculus for Engineering	1	0	College Requirement
		PHYS101	General Physics I	1	0	College Requirement	PHYS101	General Physics I	1	0	College Requirement
Year 2	3 (Spring)	ENIN111	General Physics Lab I	1	0	College Requirement	ENIN111	General Physics Lab I	1	0	College Requirement
		ENIN112	General Chemistry I	1	0	Ed Ed Course (Chapter 1: Area 1: Natural Sciences)	ENIN112	General Chemistry I	1	0	Ed Ed Course (Chapter 1: Area 1: Natural Sciences)
Year 3	5 (Spring)	ENIN113	Chemistry Lab for Engineering	1	0	Ed Ed Course (Chapter 1: Area 1: English Communication)	ENIN113	Chemistry Lab for Engineering	1	0	Ed Ed Course (Chapter 1: Area 1: English Communication)
		ENIN114	Engineering and Strength of Materials	1	0	College Requirement	ENIN114	Engineering and Strength of Materials	1	0	College Requirement
Year 4	7 (Spring)	ENIN115	Introduction to Petroleum Engineering	1	0	Specialization	ENIN115	Introduction to Petroleum Engineering	1	0	Specialization
		ENIN116	Linear Algebra	1	0	College Requirement	ENIN116	Linear Algebra	1	0	College Requirement
Year 5	9 (Spring)	ENIN117	Chemical Engineering Fluid Mechanics	1	0	Specialization	ENIN117	Chemical Engineering Fluid Mechanics	1	0	Specialization
		ENIN118	Organic Chemistry for Non-Majors	1	0	Ed Ed Course (Chapter 2: Area 2: Foreign Language)	ENIN118	Organic Chemistry for Non-Majors	1	0	Ed Ed Course (Chapter 2: Area 2: Foreign Language)
Year 6	11 (Spring)	ENIN119	Reservoir Rock & Fluid Properties Lab	1	0	Specialization	ENIN119	Reservoir Rock & Fluid Properties Lab	1	0	Specialization
		ENIN120	Drilling Engineering	1	0	Specialization	ENIN120	Drilling Engineering	1	0	Specialization
Year 7	13 (Spring)	ENIN121	Powertrain Mechanics	1	0	Specialization	ENIN121	Powertrain Mechanics	1	0	Specialization
		ENIN122	State Analysis in Petroleum Engineering	1	0	Specialization	ENIN122	State Analysis in Petroleum Engineering	1	0	Specialization
Year 8	15 (Spring)	ENIN123	Fluid Flow in Petroleum Engineering	1	0	Ed Ed Course (Chapter 3: Area 3: Fourth Industrial Revolution)	ENIN123	Fluid Flow in Petroleum Engineering	1	0	Ed Ed Course (Chapter 3: Area 3: Fourth Industrial Revolution)
		ENIN124	Elective	1	0	Ed Ed Course (Chapter 3: Area 3: Humanities and Fine Arts)	ENIN124	Elective	1	0	Ed Ed Course (Chapter 3: Area 3: Humanities and Fine Arts)
Year 9	Summer	ENIN125	Internship I	1	0	Internship	ENIN125	Internship I	1	0	Internship
		ENIN126	Petroleum Project Evaluation	1	0	Specialization	ENIN126	Petroleum Project Evaluation	1	0	Specialization
Year 10	17 (Spring)	ENIN127	Reservoir Simulation	1	0	Specialization	ENIN127	Reservoir Simulation	1	0	Specialization
		ENIN128	Design and Control: Principles in Petroleum Engineering	1	0	Ed Ed Course (Chapter 4: Area 4: Critical Thinking)	ENIN128	Design and Control: Principles in Petroleum Engineering	1	0	Ed Ed Course (Chapter 4: Area 4: Critical Thinking)
Year 11	19 (Spring)	ENIN129	Petroleum Production Operations	1	0	Specialization	ENIN129	Petroleum Production Operations	1	0	Specialization
		ENIN130	Elective	1	0	Major Elective	ENIN130	Elective	1	0	Major Elective
Year 12	Summer	ENIN131	Internship II	1	0	Internship	ENIN131	Internship II	1	0	Internship
		ENIN132	Advanced Engineering Design Project	1	0	Specialization	ENIN132	Advanced Engineering Design Project	1	0	Specialization
Year 13	21 (Spring)	ENIN133	Capstone Engineering Design Project	1	0	Specialization	ENIN133	Capstone Engineering Design Project	1	0	Specialization
		ENIN134	Elective	1	0	Specialization	ENIN134	Elective	1	0	Specialization
Year 14	23 (Spring)	ENIN135	Secondary Response Methods	1	0	Specialization	ENIN135	Secondary Response Methods	1	0	Specialization
		ENIN136	Final Year in Petroleum Methods	1	0	Specialization	ENIN136	Final Year in Petroleum Methods	1	0	Specialization

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For Students Admitted to the University from the Fall Semester

Total Degree Credit hours: 132

Semester	Course Code	Course Title	Cr	Course type	Semester	Course Code	Course Title	Cr	Course type
Year 1 1 (Fall)	MATH130	Calculus for Engineering	3	College Requirement	2 (Spring)	MATH130	Calculus for Engineering	3	College Requirement
	PHYS105	General Physics I	3	College Requirement		PHYS105	General Physics I	3	College Requirement
	PHYS105	General Physics Lab I	1	College Requirement		PHYS105	General Physics Lab I	1	College Requirement
	CHEM111	General Chemistry I	3	College Requirement		CHEM111	General Chemistry I	3	College Requirement
	CHEM175	Chemistry Lab for Engineering	1	College Requirement		CHEM175	Chemistry Lab for Engineering	1	College Requirement
Year 2 3 (Fall)	ENGR100	Engineering and Strength of Materials	3	Specialization	4 (Spring)	ENGR100	Engineering and Strength of Materials	3	Specialization
	PET1200	Introduction to Petroleum Engineering	3	Specialization		PET1200	Introduction to Petroleum Engineering	3	Specialization
	MATH140	Linear Algebra I	3	College Requirement		PET1200	Introduction to Petroleum Engineering	3	Specialization
	ENGR215	Engineering Ethics	2	College Requirement		PET1200	Introduction to Petroleum Engineering	3	Specialization
	CHEM110	Contemporary Environmental Studies	3	Gen. Ed. Theme 1: UAE National Identity		PET1200	Introduction to Petroleum Engineering	3	Specialization
Year 3 5 (Fall)	CHEM175	Chemistry Lab for Non-Majors	1	College Requirement	6 (Spring)	CHEM175	Chemistry Lab for Non-Majors	1	College Requirement
	PET1485	Internship I	1	Internship		PET1485	Internship I	1	Internship
	PET1115	Reservoir Rock & Fluid Properties Lab	2	Specialization		PET1115	Reservoir Rock & Fluid Properties Lab	2	Specialization
	PET1300	Drilling Engineering	3	Specialization		PET1300	Drilling Engineering	3	Specialization
	PET1320	Reservoir Mechanics	3	Specialization		PET1320	Reservoir Mechanics	3	Specialization
Year 4 7 (Fall)	PET1360	Data Analytics in Petroleum Engineering	3	Specialization	8 (Spring)	PET1360	Data Analytics in Petroleum Engineering	3	Specialization
	PET1419	Well Performance	3	Specialization		PET1419	Well Performance	3	Specialization
	PET1512	Petroleum Production Operations	3	Specialization		PET1512	Petroleum Production Operations	3	Specialization
	PET1422	Reservoir Simulation	3	Specialization		PET1422	Reservoir Simulation	3	Specialization
	PET1485	Internship II	1	Internship		PET1485	Internship II	1	Internship
Year 4 7 (Fall)	PET1507	Well Testing	3	Specialization	8 (Spring)	PET1507	Well Testing	3	Specialization
	PET1485	Design and Critical Thinking in Petroleum Engineering	3	Specialization		PET1485	Design and Critical Thinking in Petroleum Engineering	3	Specialization
	PET1519	Secondary Recovery Methods	3	Specialization		PET1519	Secondary Recovery Methods	3	Specialization
	PET1422	Petroleum Property Evaluation	3	Specialization		PET1422	Petroleum Property Evaluation	3	Specialization
	Elective	Student choice	3	Major Elective		Elective	Student choice	3	Major Elective

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For Students Admitted to the University from the Spring Semester

Total Degree Credit hours: 132

Semester	Course Code	Course Title	Cr	Course type	Semester	Course Code	Course Title	Cr	Course type
Year 1 1 (Spring)	MATH130	Calculus for Engineering	3	College Requirement	2 (Fall)	MATH130	Calculus for Engineering	3	College Requirement
	PHYS105	General Physics I	3	College Requirement		PHYS105	General Physics I	3	College Requirement
	PHYS105	General Physics Lab I	1	College Requirement		PHYS105	General Physics Lab I	1	College Requirement
	CHEM111	General Chemistry I	3	College Requirement		CHEM111	General Chemistry I	3	College Requirement
	CHEM175	Chemistry Lab for Engineering	1	College Requirement		CHEM175	Chemistry Lab for Engineering	1	College Requirement
Year 2 3 (Spring)	ENGR100	Engineering and Strength of Materials	3	Specialization	4 (Fall)	ENGR100	Engineering and Strength of Materials	3	Specialization
	PET1200	Introduction to Petroleum Engineering	3	Specialization		ENGR100	Engineering and Strength of Materials	3	Specialization
	MATH140	Linear Algebra I	3	College Requirement		PET1200	Introduction to Petroleum Engineering	3	Specialization
	ENGR215	Engineering Ethics	2	College Requirement		PET1200	Introduction to Petroleum Engineering	3	Specialization
	CHEM110	Contemporary Environmental Studies	3	Gen. Ed. Theme 1: UAE National Identity		PET1200	Introduction to Petroleum Engineering	3	Specialization
Year 3 5 (Spring)	CHEM175	Chemistry Lab for Non-Majors	1	College Requirement	6 (Fall)	CHEM175	Chemistry Lab for Non-Majors	1	College Requirement
	PET1485	Internship I	1	Internship		PET1485	Internship I	1	Internship
	PET1115	Reservoir Rock & Fluid Properties Lab	2	Specialization		PET1115	Reservoir Rock & Fluid Properties Lab	2	Specialization
	PET1300	Drilling Engineering	3	Specialization		PET1300	Drilling Engineering	3	Specialization
	PET1320	Reservoir Mechanics	3	Specialization		PET1320	Reservoir Mechanics	3	Specialization
Year 4 7 (Spring)	PET1360	Data Analytics in Petroleum Engineering	3	Specialization	8 (Fall)	PET1360	Data Analytics in Petroleum Engineering	3	Specialization
	PET1419	Well Performance	3	Specialization		PET1419	Well Performance	3	Specialization
	PET1512	Petroleum Production Operations	3	Specialization		PET1512	Petroleum Production Operations	3	Specialization
	PET1422	Reservoir Simulation	3	Specialization		PET1422	Reservoir Simulation	3	Specialization
	PET1485	Internship II	1	Internship		PET1485	Internship II	1	Internship
Year 4 7 (Spring)	PET1507	Well Testing	3	Specialization	8 (Fall)	PET1507	Well Testing	3	Specialization
	PET1485	Design and Critical Thinking in Petroleum Engineering	3	Specialization		PET1485	Design and Critical Thinking in Petroleum Engineering	3	Specialization
	PET1519	Secondary Recovery Methods	3	Specialization		PET1519	Secondary Recovery Methods	3	Specialization
	PET1422	Petroleum Property Evaluation	3	Specialization		PET1422	Petroleum Property Evaluation	3	Specialization
	Elective	Student choice	3	Major Elective		Elective	Student choice	3	Major Elective