

ENGINEERING – PETROLEUM (PATHWAY)

Associate in Science Checklist

- Complete a minimum of 60 total degree credits.
- Fulfill the College Degree Requirements in conjunction with this degree plan.
- View the General Education Matrix for a complete list of qualifying courses.
- Consult with an Academic Advisor and the intended institution being transferred to.
- **Note:** Courses listed on the degree plan are suggested and may vary dependent on the situation.

Degree Plan

General Education

Written Communications

ENGL 110	College Composition I	3
Select one of the following:		3
ENGL 120	College Composition II	
ENGL 125	Introduction to Professional Writing	
Credits Subtotal		6

Oral Communications

COMM 110	Fundamentals of Public Speaking	3
Credits Subtotal		3

Arts & Humanities

Select two of the following recommended courses:		6
ART 110	Introduction to the Visual Arts	
HIST 103	United States to 1877	
HIST 104	United States Since 1877	
MUSC 100	Music Appreciation	
PHIL 210	Ethics	
Credits Subtotal		6

Social & Behavioral Sciences

ECON 201	Principles of Microeconomics	3
Select one of the following recommended courses:		3
CJ 201	Introduction to Criminal Justice	
ECON 202	Principles of Macroeconomics	
POLS 115	American Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
Credits Subtotal		6

Math, Science, & Technology

MATH 165	Calculus I	4
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry I Lab	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry II Lab	1
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1
Credits Subtotal		19

General Education Total Credits **40**

Enrichment

Select 2 enrichment credits from the Enrichment Course Matrix. A course listed as general education and enrichment may satisfy both requirements upon successful completion.

Enrichment Course Matrix	2
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Diversity

Select 3 diversity credits from the General Education & Diversity Matrix. A course listed as general education and diversity may satisfy both requirements upon successful completion.

General Education & Diversity Matrix	3
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Digital Literacy

Select one of the following:

ENGL 110	College Composition I
NDUS Institution Approved Training Course	
NDUS Institution Designated Digital Literacy Course	

Electives

Transfer Electives

Select from the following recommended courses dependent on your transfer situation and total degree credits needed.

PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1
MATH 166	Calculus II	4
MATH 265	Calculus III	4
MATH 266	Introduction to Differential Equations	3
GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
ENGR 201	Statics	3
ENGR 203	Mechanics of Materials	3