

# PRE-PHARMACY

## 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	
<b>Credits Subtotal</b>		<b>6</b>

#### Oral Communications

COMM 110	Fundamentals of Public Speaking	3
<b>Credits Subtotal</b>		<b>3</b>

#### 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	
<b>Credits Subtotal</b>		<b>6</b>

#### 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	
<b>Credits Subtotal</b>		<b>6</b>

#### Math, Science & Technology

Select one of the following:		3-4
MATH 103	College Algebra <sup>1</sup>	
MATH 210	Elementary Statistics	
CHEM 121	General Chemistry I <sup>1</sup>	4
CHEM 121L	General Chemistry I Lab	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry II Lab	1
Select from the following recommended courses:		3
(Needed if 15 credits for Math, Science & Technology have not been met.)		
CSCI 101	Introduction to Computers	

CIS 147 Principles of Information Security

<b>Credits Subtotal</b>		<b>16-17</b>
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<b>General Education Total Credits</b>		<b>37-38</b>
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## 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.

<b>Enrichment Course Matrix</b>		<b>2</b>
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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.

<b>General Education &amp; Diversity Matrix</b>		<b>3</b>
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## Digital Literacy

Select one of the following:

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

### Transfer Electives

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

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
BIOL 220	Anatomy and Physiology I <sup>2</sup>	3
BIOL 220L	Anatomy and Physiology I Lab <sup>2</sup>	1
BIOL 221	Anatomy and Physiology II <sup>2</sup>	3
BIOL 221L	Anatomy and Physiology II Lab <sup>2</sup>	1
CHEM 241	Organic Chemistry I	4
CHEM 241L	Organic Chemistry I Lab	1
CHEM 242	Organic Chemistry II	4
CHEM 242L	Organic Chemistry II Lab <sup>3</sup>	1
MATH 146	Applied Calculus I	3
PHYS 211	College Physics I	3
PHYS 211L	College Physics I Lab <sup>3</sup>	1

## Footnotes

1

Completing MATH 103 or testing into a higher math is required for CHEM 121.

2

BIOL 220/BIOL 220L and BIOL 221/BIOL 221L must be completed at the same institution for transfer.

3

CHEM 242L and PHYS 211L are recommended to be taken with the corresponding lecture courses. However, these laboratory courses are not required as part of the North Dakota State University's School of Pharmacy pre-professional curriculum.

This curriculum has been developed based on the suggested pre-professional curriculum of North Dakota State University's School of Pharmacy. Students planning to transfer to NDSU should regularly check the School of Pharmacy's most current curriculum. Students planning to transfer to a pharmacy school other than NDSU should refer to that institution's catalog and modify this curriculum accordingly.