

# OPTOMETRY

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Saint Benedict's and Saint John's offer a pre-professional program in optometry. The curriculum for the pre-optometry program includes the following general prerequisites:

- Biology
- Chemistry
- Physics
- English

However, optometry schools may different prerequisites. Please visit Prerequisites (<https://www.csbsju.edu/documents/Pre-Professional%20Health/appendix-1-pre-health.pdf>) to view specific courses that each optometry school requires.

## Four Year Plans

### Pre-Optometry

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
INTG 105	College Success	1
INTG 100	Foundations	4
LNGS 111		4
BIOL 101	Foundations of Biology	4
CHEM 125	Introduction to Chemical Structure and Properties	4
CHEM 201	Purification and Separation Lab I	1
<b>Hours</b>		<b>18</b>
<b>Spring</b>		
CI		4
LNGS 112		4
CHEM 250	Reactions of Nucleophiles and Electrophiles (Reactivity 1)	4
CHEM 202	Purification and Chromatography Lab II	1
BIOL 201	Intermediate Cell Biology and Genetics	4
<b>Hours</b>		<b>17</b>
<b>Second Year</b>		
<b>Fall</b>		
LNGS 211		4
PHYS 105	Physics for the Life Sciences I	4
TE		4
CHEM 251	Intermediate Reactions of Nucleophiles and Electrophiles (Reactivity 2)	4
CHEM 203	Synthesis Lab	1
<b>Hours</b>		<b>17</b>
<b>Spring</b>		
PHYS 106	Physics for the Life Sciences II	4
PSYC 111	Introductory Psychology	4
CHEM 255	Macroscopic Chemical Analysis	4
CHEM 205	Chemical Measurement Lab	1
<b>Hours</b>		<b>13</b>
<b>Third Year</b>		
<b>Fall</b>		
BIOL 307	Biology of Microorganisms	4
BIOL 3XX		4
SS		4
CS		4
<b>Hours</b>		<b>16</b>

<b>Spring</b>		
BIOL 317	Biochemistry	4
MATH 119	Calculus I	4
HE		4
<b>Hours</b>		<b>12</b>

<b>Fourth Year</b>		
<b>Fall</b>		
AE		4
MATH 120 or MATH 124	Calculus II or Probability and Statistical Inference	4
BIOL 325	Human Anatomy and Physiology I	4
<b>Hours</b>		<b>12</b>

<b>Spring</b>		
BIOL 326	Human Anatomy and Physiology II	4
INTG 300	Learning Integrations	4
HM		4
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>117</b>

### Pre-Optometry with Study Abroad

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
INTG 105	College Success	1
INTG 100	Foundations	4
LNGS 111		4
BIOL 101	Foundations of Biology	4
CHEM 125	Introduction to Chemical Structure and Properties	4
CHEM 201	Purification and Separation Lab I	1
<b>Hours</b>		<b>18</b>
<b>Spring</b>		
CI		4
LNGS 112		4
CHEM 250	Reactions of Nucleophiles and Electrophiles (Reactivity 1)	4
CHEM 202	Purification and Chromatography Lab II	1
BIOL 201	Intermediate Cell Biology and Genetics	4
<b>Hours</b>		<b>17</b>
<b>Second Year</b>		
<b>Fall</b>		
LNGS 211		4
PHYS 105	Physics for the Life Sciences I	4
TE		4
CHEM 251	Intermediate Reactions of Nucleophiles and Electrophiles (Reactivity 2)	4
CHEM 203	Synthesis Lab	1
<b>Hours</b>		<b>17</b>
<b>Spring</b>		
PHYS 106	Physics for the Life Sciences II	4
PSYC 111	Introductory Psychology	4
CHEM 255	Macroscopic Chemical Analysis	4
CHEM 205	Chemical Measurement Lab	1
<b>Hours</b>		<b>13</b>
<b>Third Year</b>		
<b>Fall</b>		
BIOL 307	Biology of Microorganisms	4
BIOL 3XX		4
SS		4
<b>Hours</b>		<b>12</b>
<b>Spring</b>		
Study Abroad		
GL		4

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HE		4
EX		4
CS		4
<b>Hours</b>		<b>16</b>
<b>Fourth Year</b>		
<b>Fall</b>		
AE		4
MATH 119	Calculus I	4
BIOL 325	Human Anatomy and Physiology I	4
BIOL 317	Biochemistry	4
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
BIOL 326	Human Anatomy and Physiology II	4
INTG 300	Learning Integrations	4
HM		4
MATH 120 or MATH 124	Calculus II or Probability and Statistical Inference	4
<b>Hours</b>		<b>16</b>
<b>Total Hours</b>		<b>125</b>