

# BACHELOR OF SCIENCE IN PSYCHOLOGICAL SCIENCE

## Psychological Science

Psychology is the scientific study of behavior how individuals think, feel, and behave. Graduates will have a strong background in scientific thinking and be able to apply psychological research and principles to the study of contemporary problems in a variety of fields.

Students in the psychological science program will develop an understanding of:

- How people perceive and process information and how they use that information to make decisions
- Psychological theories in a variety of fields including social, cognitive, clinical, industrial-organizational, development, and neuroscience
- How to apply psychological theories to real-world problems
- How to design research studies, analyze results, and communicate results to different audiences

A flexible curriculum allows the degree to be customized according to interests. Students can elect to specialize in clinical/behavioral health, culture and diversity, industrial/organizational, and rehabilitation services. Students will work with a faculty mentor to craft a program of study that supports their interests and career goals. Options for pre-medicine and honors law are available.

Students are encouraged to complete a capstone project designed to integrate and apply the concepts and skills learned throughout the curriculum. The capstone will be an individually tailored project defined in collaboration with a faculty adviser which will typically involve either a field placement or research component.

The psychological science degree will prepare graduates for a wide range of professions in business and industry, community organizations, and health services. The program will also prepare graduates to be competitive for a wide range of graduate training programs in psychology at the masters and doctoral levels. In addition, many students will find psychological science highly beneficial as a pre-professional major for advanced studies in medicine, dentistry, law, business, or public administration.

## Required Courses

Code	Title	Credit Hours
<b>Psychological Science Requirements (30-31)</b>		
PSYC 100 or LCHS 100	Introduction to the Profession Introduction to the Professions	2-3
PSYC 204	Research Methods in Behavioral Science	4
PSYC 221	Introduction to Psychological Science	3
PSYC 301 or PSYC 303	Industrial Psychology Introduction to Psychopathology	3
PSYC 310	Social Psychology	3
PSYC 320 or PSYC 409	Applied Correlation and Regression Psychological Testing	3
Choose four of the following upper-level psychological science courses		12
PSYC 312	Human Motivation and Emotion	3
PSYC 414	Neural and Biological Bases of Behavior	3
PSYC 423	Learning Theory	3
PSYC 426	Cognitive Science	3
PSYC 435	Child Development	3
PSYC 436	Adult Development	3
PSYC 485	Senior Capstone Project I	3
<b>Psychology Electives</b>		<b>(15)</b>

Choose 15 credit hours of psychology courses at 300- or 400-level <sup>1,2</sup>	15
<b>Mathematics Requirements (7)</b>	
At least three credit hours of MATH 122 or above	3
PSYC 203 Undergraduate Statistics for the Behavioral Sciences	4
<b>Computer Science Requirement (2)</b>	
CS 105 Introduction to Computer Programming or CS 110 Computing Principles	2
<b>Natural Sciences Requirements (10-11)</b>	
See Illinois Tech Core Curriculum, section D	10-11
<b>Humanities and Social Sciences Requirements (21)</b>	
See Illinois Tech Core Curriculum, sections B and C	21
<b>Interprofessional Projects (IPRO) (6)</b>	
See Illinois Tech Core Curriculum, section E	6
<b>Free Electives (27-29)</b>	
Select 27-29 credit hours <sup>2</sup>	27-29

**Minimum degree credits required: 120**

<sup>1</sup> 15 credit hours of psychology electives are required (chosen from any psychology course at the 300- or 400-level that is not part of the required core courses), or 15 credit hours in a specialization. Note that courses taken in the required core psychological science curriculum cannot be counted towards specialization requirements. Only six credit hours in a specialization may be taken in a field outside of psychology.

<sup>2</sup> A maximum of three credit hours of PSYC 497 can be earned in any given semester. A maximum of six credit hours of PSYC 497 can be applied as psychology electives. Additional PSYC 497 credit hours may be applied as free electives.

## Bachelor of Science in Psychological Science Curriculum

		Year 1	
Semester 1	Credit Hours	Semester 2	Credit Hours
PSYC 100 or LCHS 100	3	PSYC 301 or 303	3
PSYC 221	3	Science Elective	3
Humanities 200-level Course	3	Science Lab Elective	1
Science Elective	3	Social Sciences Elective	3
Science Lab Elective	1	Humanities or Social Sciences Elective	3
Mathematics Elective <sup>1</sup>	3	Free Elective	3
	<b>16</b>		<b>16</b>
		Year 2	
Semester 1	Credit Hours	Semester 2	Credit Hours
PSYC 203	4	PSYC 204	4
PSYC 310	3	Social Sciences Elective (300+)	3
Science Elective	3	Social Sciences Elective (300+)	3
Humanities Elective (300+)	3	Free Elective	3
Humanities Elective (300+)	3	Free Elective	3
	<b>16</b>		<b>16</b>
		Year 3	
Semester 1	Credit Hours	Semester 2	Credit Hours
PSYC 320 or 409	3	Upper-level psychology course <sup>2</sup>	3
Upper-level Psychology course <sup>2</sup>	3	Psychology Elective <sup>3</sup>	3
Psychology Elective <sup>3</sup>	3	CS 105 or 110	2
Free Elective	3	I PRO Elective I	3
		Free Elective	3
	<b>12</b>		<b>14</b>
		Year 4	
Semester 1	Credit Hours	Semester 2	Credit Hours
Upper-level psychology course <sup>2</sup>	3	Psychology Elective <sup>3</sup>	3
Upper-level psychology course <sup>2</sup>	3	Psychology Elective <sup>3</sup>	3
Psychology Elective <sup>3</sup>	3	I PRO Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
	<b>15</b>		<b>15</b>
<b>Total Credit Hours: 120</b>			

<sup>1</sup> At least three credit hours of MATH 122 or above.

<sup>2</sup> Students must complete 4 out of 8 upper-level psychology electives: PSYC 312, PSYC 414, PSYC 423, PSYC 426, PSYC 435, PSYC 436, PSYC 485. For PSYC 485, the capstone project must be approved by capstone faculty mentor.

<sup>3</sup> 15 credit hours of psychology electives are required (chosen from any psychology course at the 300- or 400-level that is not part of the required core courses), or 15 credit hours in a specialization. Note that courses taken in the required core psychological science curriculum cannot be counted towards specialization requirements. Only six credit hours in a specialization may be taken in a field outside of psychology.

## Psychological Science Specializations

### Clinical/Behavioral Health Psychology

A minimum of 15 credit hours is required for this specialization. Note that courses taken in the required core psychological science curriculum cannot be counted towards specialization requirements. Only six credit hours in a specialization may be taken in a field outside of psychology.

Code	Title	Credit Hours
PSYC 303	Introduction to Psychopathology	3
PSYC 330	Health Psychology	3
Select three courses from the following:		9
PSYC 360	Clinical Psychology: Assessment and Treatment	3
PSYC 435	Child Development	3
PSYC 436	Adult Development	3
PSYC 460	Child and Adolescent Disorders	3
PSYC 465	Behavior Change Principles and Practice	3

### Culture and Diversity

A minimum of 15 credit hours is required for this specialization. Note that courses taken in the required core psychological science curriculum cannot be counted towards specialization requirements. Only six credit hours in a specialization may be taken in a field outside of psychology.

Code	Title	Credit Hours
Select five courses from the following:		15
PSYC 350	Prejudice and Stigma	3
PSYC 355	Cross-Cultural Psychology	3
PSYC 411	Medical Aspects of Disabling Conditions	3
PSYC 412	Multicultural and Psychosocial Issues in Rehabilitation and Mental Health Counseling	3
SSCI 220	Global Chicago	3
SSCI 321	Social Inequality	3
SSCI 323	Problems of Multi-Ethnic, Multi-Religious States	3

### Industrial/Organizational Psychology

A minimum of 15 credit hours is required for this specialization. Note that courses taken in the required core psychological science curriculum cannot be counted towards specialization requirements. Only six credit hours in a specialization may be taken in a field outside of psychology.

Code	Title	Credit Hours
PSYC 301	Industrial Psychology	3
Select four courses from the following:		12
PSYC 320	Applied Correlation and Regression	3
PSYC 355	Cross-Cultural Psychology	3
PSYC 409	Psychological Testing	3
PSYC 455	Development and Evaluation of Training in Organizations	3
PSYC 481	Groups and Leadership at Work	3

## Rehabilitation

A minimum of 15 credit hours is required for this specialization. Note that courses taken in the required core psychological science curriculum cannot be counted towards specialization requirements. Only six credit hours in a specialization may be taken in a field outside of psychology.

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
PSYC 410	Introduction to Rehabilitation and Mental Health Counseling	3
PSYC 411	Medical Aspects of Disabling Conditions	3
PSYC 412	Multicultural and Psychosocial Issues in Rehabilitation and Mental Health Counseling	3
PSYC 583	Rehabilitation Engineering Technology I: Survey of Interdisciplinary Application of RET	3
PSYC 590	Psychiatric Rehabilitation	3