

HEALTH SCIENCES: HEALTH PROFESSIONS PATHWAYS (BS) (CPS)

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Program Description

- Continuing & Professional Studies

The BS in Health Sciences: Health Professions Pathways program provides adult learners with a structured pathway into Jefferson professional programs. The courses in the Health Professions Pathways program are 8-week online or in-person (e.g. science labs delivered on campus in the evening or on Saturday), which enable working adults to complete the necessary prerequisite courses at TJU, and then seamlessly transition into the professional program of their choice. Within the BS in Health Sciences: Health Professions Pathways the following concentrations are available:

- Pre-Biotechnology
- Pre-Cytotechnology and Cell Sciences
- Pre-Medical Imaging & Radiation Sciences
- Pre-Medical Laboratory Science
- Pre-Nursing
- Pre-Respiratory Therapy

Curriculum: 50-60 credits

Health Professions Pathways: Pre-Biotechnology (55 cr.)

Code	Title	Credits
CSSX 200	Foundations for Lifelong Lrng	3
ENGX 110	College Writing	3
	Written communication course	3
STAX 211	Finding & Evaluating Stat Data	3
BIOX 121	Biology I	3
BIOL 122		1
BIOX 123	Biology II	3
BIOX 124	Biology II Lab	1
CHMX 110	General Chemistry I	3
CHMX 111	General Chemistry Lab	1
CHMX 112	General Chemistry II	3
CHMX 113	General Chemistry II Lab	1
	Select three of the following lecture/lab pairs:	12
BIOX 110	Human Anatomy & Physiology I	
BIOX 111	Human Anatomy & Physiology II	
BIOX 113	Human Anatomy & Physio I Lab	
BIOX 114	Human Anatomy & Physio II Lab	
BIOX 215	Microbiology Lecture	
BIOX 216	Microbiology Lab	
PHYX 151	Algebra-Based Physics I	
PHYX 152	Algebra-Based Physics I Lab	

Code	Title	Credits
General Electives		15
Total Credits		55

Health Professions Pathways: Pre-Cytotechnology & Cell Sciences (55 cr.)

Code	Title	Credits
CSSX 200	Foundations for Lifelong Lrng	3
ENGX 110	College Writing	3
	Written communication course	3
STAX 211	Finding & Evaluating Stat Data	3
BIOX 110	Human Anatomy & Physiology I	3
BIOX 111	Human Anatomy & Physiology II	3
BIOX 113	Human Anatomy & Physio I Lab	1
BIOX 114	Human Anatomy & Physio II Lab	1
BIOX 121	Biology I	3
BIOL 122		1
BIOX 123	Biology II	3
BIOX 124	Biology II Lab	1
BIOX 215	Microbiology Lecture	3
BIOX 216	Microbiology Lab	1
CHMX 110	General Chemistry I	3
CHMX 111	General Chemistry Lab	1
CHMX 112	General Chemistry II	3
CHMX 113	General Chemistry II Lab	1
General Electives		15
Total Credits		55

Health Professions Pathways: Pre-Medical Laboratory Science (55 cr.)

Code	Title	Credits
CSSX 200	Foundations for Lifelong Lrng	3
ENGX 110	College Writing	3
	Written communication course	3
STAX 211	Finding & Evaluating Stat Data	3
BIOX 110	Human Anatomy & Physiology I	3
BIOX 111	Human Anatomy & Physiology II	3
BIOX 113	Human Anatomy & Physio I Lab	1
BIOX 114	Human Anatomy & Physio II Lab	1
BIOX 121	Biology I	3
BIOL 122		1
BIOX 123	Biology II	3
BIOX 124	Biology II Lab	1
BIOX 215	Microbiology Lecture	3
BIOX 216	Microbiology Lab	1
CHMX 110	General Chemistry I	3
CHMX 111	General Chemistry Lab	1
CHMX 112	General Chemistry II	3
CHMX 113	General Chemistry II Lab	1
General Electives		15
Total Credits		55

Health Professions Pathways: Pre-Medical Imaging and Radiation Sciences (50 cr.)

Code	Title	Credits
CSSX 200	Foundations for Lifelong Lrng	3
ENGX 110	College Writing	3
	Written communication course	3
MATX 154	Pre-calculus	3
STAX 211	Finding & Evaluating Stat Data	3
HSCX 120	Medical Terminology	3
BIOX 110	Human Anatomy & Physiology I	3
BIOX 111	Human Anatomy & Physiology II	3
BIOX 113	Human Anatomy & Physio I Lab	1
BIOX 114	Human Anatomy & Physio II Lab	1
CHMX 110	General Chemistry I	3
CHMX 111	General Chemistry Lab	1
PHYX 151	Algebra-Based Physics I	3
PHYX 152	Algebra-Based Physics I Lab	1
PHYX 153	Algebra-Based Physics II	3
PHYX 154	Algebra-Based Physics II Lab	1
	General Electives ¹	12
Total Credits		50

¹ 30 credits of general electives for a 3+1 option

Health Professions Pathways: Pre-Nursing (55 cr.)

Code	Title	Credits
CSSX 200	Foundations for Lifelong Lrng	3
ENGX 110	College Writing	3
	Written communication course	3
	Select one of the following courses:	3
MATX 120	College Algebra	
MATX 154	Pre-calculus	
STAX 211	Finding & Evaluating Stat Data	3
	Select one of the following courses:	3
PHLX 222	Applied Professional Ethics	
PHLX 300	Healthcare Ethics	
	Select one course from logic, philosophy, ethics, critical thinking, or ethnic studies	3
BIOX 110	Human Anatomy & Physiology I	3
BIOX 111	Human Anatomy & Physiology II	3
BIOX 113	Human Anatomy & Physio I Lab	1
BIOX 114	Human Anatomy & Physio II Lab	1
BIOX 215	Microbiology Lecture	3
BIOX 216	Microbiology Lab	1
CHMX 110	General Chemistry I	3
CHMX 111	General Chemistry Lab	1
NUTX 301	Nutrition	3
PSYX 101	Fundamentals of Psychology I	3
PSYX 251	Abnormal Psych	3
PSYX 253	Developmental Psych	3
SOCX 101	Principles of Sociology	3

Code	Title	Credits
	General Elective	3
Total Credits		55

Health Professions Pathways: Pre-Respiratory Therapy (60 cr.)

Code	Title	Credits
CSSX 200	Foundations for Lifelong Lrng	3
ENGX 110	College Writing	3
	Written communication course	3
	Humanities courses	6
	Social science course	3
STAX 211	Finding & Evaluating Stat Data	3
PSYX 101	Fundamentals of Psychology I	3
	Select one of the following courses:	3
MATX 120	College Algebra	
MATX 154	Pre-calculus	
	Select one of the following courses:	3
PHLX 222	Applied Professional Ethics	
PHLX 300	Healthcare Ethics	
	Select one of the following courses:	3
HSCX 110	Intro to Health Professions	
HSCX 201	Human Disease and Treatment	
BIOX 110	Human Anatomy & Physiology I	3
BIOX 111	Human Anatomy & Physiology II	3
BIOX 113	Human Anatomy & Physio I Lab	1
BIOX 114	Human Anatomy & Physio II Lab	1
BIOX 121	Biology I	3
BIOX 122	Biology I Lab	1
BIOX 215	Microbiology Lecture	3
BIOX 216	Microbiology Lab	1
CHMX 110	General Chemistry I	3
CHMX 111	General Chemistry Lab	1
HSCX 120	Medical Terminology	3
	Select one of the following lecture/lab pairs:	4
BIOX 123	Biology II	
BIOX 124	Biology II Lab	
CHMX 112	General Chemistry II	
CHMX 113	General Chemistry II Lab	
PHYX 151	Algebra-Based Physics I	
PHYX 152	Algebra-Based Physics I Lab	
Total Credits		60