

Program Code BS_PH

Major Code D101

Attributes: BSPH = Pre-Med, BSP3 = Pre-Med 3+4, BSP4 = Pre-Med 4+4

FIRST YEAR SEMINAR		
Course	Credits	Frequency
UNIV 1000: First Year Seminar	3	
Total First Year Seminar Credits	3	
GENERAL EDUCATION REQUIREMENTS		
Area/Course	Credits	Frequency
<u>Written Composition</u>		
6 credits at or above COMP 1500		
COMP 1500 College Writing	3	
COMP 2000 Advanced College Writing	3	
<u>Mathematics</u>		
6 credits at or above MATH 1040		
Math 1040 or higher	3	
Math 2020 Applied Statistics	3	
<u>Arts & Humanities</u>		
6 credits in HIST, ARTS, PHIL, HUMN, LITR, THEA, FILM, MUSC, DANC, WRIT, foreign language, SPCH		
Open Arts & Humanities	3	
Open Arts & Humanities	3	
<u>Social & Behavioral Sciences</u>		
6 credits in PSYC, SOCL, ANTH, ECN, COMM, GEOG, GEST, INST, POLS		
Open Social and Behavioral Sciences	3	
Open Social and Behavioral Sciences	3	
<u>Science</u>		
6 credits in BIOL, MBIO, CHEM, SCIE, ENVS, PHYS, NEURO		
Open Science	3	
Open Science	3	
Total General Education Credits	30	
Total Open Electives Credits	30	

MAJOR		
Course	Credits	Frequency
BSHI 1001 Principles of Health Informatics	3	FW
BSHI 1002 Overview of the US Health Care System	3	FW
BSHI 2001 Principles of Health Care Quality	3	FW
BSHI 2002 Legal and Ethical Issues in Health Informatics or	3	FW
BSHI 2002H Legal and Ethical Issues in Health Informatics (3cr)		W
BSHI 3001 Electronic Health Records	3	FW
BSHI 3002 Health Informatics Security	3	FW
BSHI 3005 Health Informatics Seminar	3	FW
BSHI 4001 Health Informatics Internship I	3	FW
BSHI 4002 Health Informatics Internship II	3	FW
TECH 1110 Technology in the Information Age	3	FW
TECH 2010 Excel at Spreadsheets	3	FW
TECH 2020 Programming for Everyone	3	FW
TECH 3100 Introduction to Data Science	3	F
Major Electives (choose from electives below)*	18	Varies
Total Major Credits	57	

MAJOR ELECTIVES			
Select from the following major electives			
BSHI 2004	Health Information Exchange	3	F
BSHI 2006	Principles of Management/Leadership in Health Care Organizations	3	FW
BSHI 2008	Principles of Health Information Technology Governance	3	W
BSHI 2010	Principles of Project Management in Health Care	3	F
BSHI 3003	Special Topics in Health Informatics	3	FWS
BSHI 3004	Bioinformatics	3	W
BSHI 3006	Public Health Informatics	3	F
BSHI 4004	Health Informatics Research Methods	3	W
BSHI 4006	Independent Study in Health Informatics	1,2 or 3	FWS
CSIS 2000	Introduction to Database Systems	3	W
CSIS 2101	Fundamentals of Computer Programming	4	FW
CSIS 3020	Web Programming and Design	3	F
CSIS 3500	Networks and Data Communication	3	F
CSIS 4010	Computer Security	3	F
CSIS 4311	Web Services and Systems	3	W
CSIS 4351	Human-Computer Interaction	3	W
Total Elective Credits		18	
Total Major Credits		57	
Total Credits BSHI		120	

*Students are permitted to take 6 of the 18 major elective credits from the BPH, BSHN, or HAWC course prefixes.

Frequency Key: F-Every Fall; W-Every Winter; S - Every Summer; FO - Odd Year Fall; FE - Even Year Fall; WO - Odd Year Winter; WE - Even Year Winter

Shaded courses represent courses in the College of Computing and Engineering (CCE)

* See 4 year plan of study for BSHI/DO students.



Program Code BS_PH

Major Code D101

Dr Kiran C. Patel College of Osteopathic Medicine
Degree Curriculum Sheet | 2024-2025 Catalog
Bachelor of Science - Health Informatics (Pre-Med)



Attributes: BSPH = Pre-Med, BSP3 = Pre-Med 3+4, BSP4 = Pre-Med 4+4

FIRST YEAR SEMINAR		
Course	Credits	Frequency
UNIV 1000: First Year Seminar	3	
Total First Year Seminar Credits	3	
GENERAL EDUCATION REQUIREMENTS		
Area/Course	Credits	Frequency
<u>Written Composition</u>		
6 credits at or above COMP 1500		
COMP 1500 College Writing	3	
COMP 2000 Advanced College Writing	3	
<u>Mathematics</u>		
6 credits at or above MATH 1250		
MATH 1250 Trigonometry	3	
MATH 2020 Applied Statistics	3	
<u>Arts & Humanities</u>		
6 credits in HIST, ARTS, PHIL, HUMN, LITR, THEA, FILM, MUSC, DANC, WRIT, foreign language, SPCH		
Open Arts & Humanities*	3	
Open Arts & Humanities*	3	
<u>Social & Behavioral Sciences</u>		
6 credits in PSYC, SOCL, ANTH, ECN, COMM, GEOG, GEST, INST, POLS		
Open Social and Behavioral Sciences*	3	
Open Social and Behavioral Sciences*	3	
<u>Science</u>		
6 credits in BIOL, MBIO, CHEM, SCIE, ENVS, PHYS, NEURO		
Open Science*	3	
Open Science*	3	
Total General Education Credits	30	

* dual admit D.O. students - see recommended courses for BSHI/DO students

*Take open electives (dual admission D.O. students - see recommended D.O. curriculum)

OPEN ELECTIVES	
Course	Credits
	0

*See 4 year plan of study for BSHI/DO students

MAJOR		
Course	Credits	Frequency
BSHI 1001 Principles of Health Informatics	3	FW
BSHI 1002 Overview of the US Health Care System	3	FW
BSHI 2001 Principles of Health Care Quality	3	FW
BSHI 2002 Legal and Ethical Issues in Health Informatics or	3	FW
BSHI 2002H Legal and Ethical Issues in Health Informatics (3cr)		W
BSHI 3001 Electronic Health Records	3	FW
BSHI 3002 Health Informatics Security	3	FW
BSHI 3005 Health Informatics Seminar	3	FW
BSHI 4001 Health Informatics Internship I	3	FW
BSHI 4002 Health Informatics Internship II	3	FW
TECH 1110 Technology in the Information Age	3	FW
TECH 2010 Excel at Spreadsheets	3	FW
TECH 2020 Programming for Everyone	3	FW
TECH 3100 Introduction to Data Science	3	F
REQUIRED Sciences classes for Pre-Med Bachelor of Science Health Informatics		
BIOL 1500 Biology I/Lab (incl as part of gen ed)	4	FW
BIOL 1510 Biology II/Lab (incl as part of gen ed)	4	FW
CHEM 1300 or CHEM 1300H General Chemistry I/Lab or General Chemistry I/Lab Honors	4	FW
CHEM 1310 or CHEM 1310H General Chemistry II/Lab or General Chemistry II/Lab Honors	4	FW
CHEM 2400 or CHEM 2400H Organic Chemistry I/Lab or Organic Chemistry I/Lab Honors	4	FW
CHEM 2410 or CHEM 2410H Organic Chemistry II/Lab or Organic Chemistry II/Lab Honors	4	FW
CHEM 3650 Biochemistry/Lab	4	FW
PHYS 2350 or PHYS 2350H or PHYS 2400 General Physics I/Lab or General Physics I/Lab Honors or Physics I/Lab	4	FW
PHYS 2360 or PHYS 2360H or PHYS 2500 General Physics II/Lab or General Physics II/Lab Honors or Physics II/Lab	4	FW
Major Electives (choose from electives below)	18	Varies
Total Health Informatics Major Credits (57) + Pre-Med Perquisites (36) =	93	

MAJOR ELECTIVES		
Course	Credit	Frequency
Select from the following major electives*:		
BSHI 2004 Health Information Exchange	3	F
BSHI 2006 Principles of Management/Leadership in Health Care Organizations	3	FW
BSHI 2008 Principles of Health Information Technology C	3	W
BSHI 2010 Principles of Project Management in Health C	3	F
BSHI 3003 Special Topics in Health Informatics	3	FWS
BSHI 3004 Bioinformatics	3	W
BSHI 3006 Public Health Informatics	3	F
BSHI 4004 Health Informatics Research Methods	3	W
BSHI 4006 Independent Study in Health Ii	1,2 or 3	FWS
CSIS 2000 Introduction to Database Systems	3	W
CSIS 2101 Fundamentals of Computer Programming	4	FW
CSIS 3020 Web Programming and Design	3	F
CSIS 3500 Networks and Data Communication	3	F
CSIS 4010 Computer Security	3	F
CSIS 4311 Web Services and Systems	3	W
CSIS 4351 Human-Computer Interaction	3	W
Total Major Credits	57	
Total Credits BSHI	126	

*Students are permitted to take 6 of the 18 major elective credits from the BPH, BSHN, or HAWC course prefixes.

*Select 18 credits from the major elective list.

Frequency Key: F-Every Fall; W-Every Winter; S - Every Summer; FO - Odd Year Fall; FE - Even Year Fall; WO - Odd Year Winter; WE - Even Year Winter

Program: Bachelor of Science

Minor: Health Informatics

Minor Code:		D101
Minor Description:		Health Informatics (KPCOM)
Minor Requirements		Credits
BSHI 1001 Principles of Health Informatics		3
BSHI 1002 Overview of the US Health Care System		3
BSHI 2001 Principles of Health Care Quality		3
BSHI 2002 Legal and Ethical Issues in Health Informatics or		3
BSHI 2002H Legal and Ethical Issues in Health Informatics (3cr)		
TECH 2010 Excel at Spreadsheets		3
TECH 3100 Introduction to Data Science		3
Total credits		18
Minimum GPA	2.25	
Minimum Grade		
Max # of Transfer Credits	0	
Time Limit (in years)		