



Bachelor of Science in MEDICINE

Explore promising careers in
an industry with high job
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BSMedicine@arizona.edu

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THE UNIVERSITY OF ARIZONA

College of Medicine

Tucson

INTRODUCING THE BACHELOR OF SCIENCE IN MEDICINE

NOW ENROLLING

DOCTOR • PHYSICAL THERAPIST • DENTIST • RESEARCHER • PHYSICIAN ASSISTANT • NURSE PRACTITIONER

INTERESTED IN HEALTH CARE?

THE NEW BS IN MEDICINE WILL PREPARE YOU FOR AN IN-DEMAND CAREER OR THE NEXT STEP IN YOUR HEALTH CARE EDUCATION!

ABOUT THE PROGRAM

The new BS in Medicine is a four-year degree program designed and delivered as a collaboration between clinicians, basic scientists and humanists, with focus on clinical reasoning and case-based learning. The program juxtaposes applied topics such as what it is to be a health care provider, clinical case analysis, medical ethics, professionalism, health care delivery to improve quality care, and hands-on experience through simulation, with topics in the human medical sciences, including advanced anatomical, biochemical, neurological, and physiological science, pathology of disease, mechanisms of treatment, and integrative therapies.

LEARNING OUTCOMES

The goal of the BS in Medicine program is to graduate students who have the ability to:

- Demonstrate in-depth knowledge of the structure and function of the human body in health and disease. This knowledge includes the use of appropriate medical terminology and can be applied in the evaluation of disease therapies.
- Demonstrate knowledge of the scope of medical device technology as well as the complex datasets generated and their application to the practice of precision medicine.
- Describe social determinants of health, including racial/ethnic disparities, and apply scientific evidence, best practices, and professional judgment in proposing strategies to mitigate negative impacts of social factors on health outcomes.
- Understand professional and ethical responsibilities in independent and/or multidisciplinary team settings.
- Demonstrate skills needed to engage in life-long learning, including the ability to find and critically evaluate relevant information and apply it to solving clinical problems.

TO LEARN MORE, CONTACT

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The BS in Medicine degree alone does not qualify graduates to practice medicine, nor does it guarantee admission to medical school; however, it is an excellent precursor to medical school and similar health-related graduate professional programs.

BACHELOR OF SCIENCE IN MEDICINE

For students entering in the 2021-2024 academic years

To view advising drop-in hours or schedule an appointment with your Academic Advisor visit:

<https://ua-trellis.force.com/uastudent/s/>

REQUIRED FOUNDATION, GENERAL EDUCATION COURSES & MATH REQUIREMENTS (32 - 40 units)

Course	Unit	Notes	Semester(s)	Grade(s)
ENGL 101, 1st year Composition or ENGL 109H Honors First Year Composition	3		F, SP & SUM	
ENGL 102, 1st year Composition or ENGL 109H Honors First Year Composition	3	B grade or better required to meet Mid-Career Writing Assessment (MCWA).	F, SP & SUM	
Foreign Language	0-8	Second semester proficiency required.	F, SP & SUM	
MATH 112, College Algebra	3	Students that test into MATH 163/MATH 263 may bypass MATH 112.	F, SP & SUM	
MATH 163, Basic Statistics or MATH 263, Bio Statistics or BIOS 376 Into to Biostats	3	If higher MATH course than MATH 163 has been taken, please take MATH 263. MATH 263 or BIOS 376 recommended if intending to apply for Medical School.	F, SP & SUM	
GE- UNIV 101 Intro to GE Experience	1		F, SP & SUM	
GE- Exploring Perspectives (EP) Artist*	3	Should be taken in 300+ level in Building Connections was not taken in 300+	F, SP & SUM	
GE- Exploring Perspectives (EP) Humanist*	3	Should be taken in 300+ level in Building Connections was not taken in 300+	F, SP & SUM	
GE- Exploring Perspectives (EP) Natural Scientist*	3	CHEM 151, 152, 161 or 162 will be double dipped to meet this requirement.	F, SP & SUM	
GE- Exploring Perspectives (EP) Social Scientist*	3		F, SP & SUM	
GE- Building Connections Option*	3	BSM/FCM 201 will be double dipped to meet this requirement.	F, SP & SUM	
GE- Building Connections Option 300+ Level*	3		F, SP & SUM	
GE- Building Connections Option 300+ Level*	3		F, SP & SUM	
GE-UNIV 301 Capstone E-Portfolio	1	Take after most of GE classes have been completed (usually taken Junior Year)	F, SP & SUM	

REQUIRED SUPPORTING SCIENCE COURSES (24 units)

Course	Units	Notes	Semester(s)	Grade(s)
CHEM 151 or CHEM 161+163 General Chemistry I	4	MATH 112 required to take this class. Must be Honors student to take 161/163.	F, SP & SUM	
CHEM 152 or CHEM 162+164 General Chemistry II	4	CHEM 151 is required to take CHEM 152. Must be Honors student to take 162/164.	F, SP & SUM	
MCB 181R & L, Introductory Biology I & Lab	4	MATH 112 required to take this class. Must take together in same semester.	F, SP & SUM	
ECOL 182R & L Introductory Biology II & Lab	4	Must take together in same semester.	F, SP & SUM	
PSIO 201, Human Anatomy & Physiology I	4	One Biology and one Chemistry class recommended.	F, SP & SUM	
PSIO 202, Human Anatomy & Physiology II	4	PSIO 201 required to take this class.	F, SP & SUM	

REQUIRED MAJOR CORE COURSES (30 - 33 units)

Course	Unit	Notes	Semester(s)	Grade(s)
BSM 101, Introduction to Medical Care	2	Also offered as MED 101.	F & S	
BSM 201, Being a Healthcare Professional	3	Also meets one Building Connections class. FCM 201 is identical course.	F & S	
BSM 296, Seminar- Careers in Medical-Health Sciences	3	Also offered as FCM 296.	SPRING	
CMM 461 (1 unit)- Clinical Reasoning: Working Clinical Cases	1		SPRING	
CMM 410, Human Histology: Intro to Pathology	3	Meets Histology requirement. Requires PSIO 201 & PSIO 202 and Junior+ status	FALL	
IMB 401, Medical Microbiology & Immunology or PSIO 431, Physiology of the Immune System	3-4	Meets Immunology requirement. IMB requires BIOC 384/385 or MCB 181R/L. PSIO 431 requires PSIO 201 & 202.	F, SP & SUM	
BSM 441, Diagnostic Technologies & Their Role in Healthcare	3	Requires PSIO 202	F & SP	
PHIL 321, Medical Ethics or PSIO 411, Scientific Methods and Professional Ethics	3	Meets Medical Ethics requirement. PHIL 321 is cross listed with PA 321. PSIO 411 requires PSIO 201 & 202.	FALL	
PHCL 412, Intro to Pharmacology	3	Meets Pharmacology requirement.	FALL	
PATH 415, Mechanisms of Human Disease	4	Requires 4 units of Bio and CHEM or PSIO.	SPRING	
FCM 496D, Disability Perspectives in Research, Policy & Practice	3		F & SP	

MAJOR SELECTIVES (take a minimum of 15 units)

Course	Units	Notes	Semester(s)	Grade(s)
Select 15 units within listed prefix, not in your Emphasis Area	15	See page 5 for the list of classes approved as Selectives that you may use to satisfy these 15 units.	F, SP & SUM	

EMPHASIS OPTIONS: Choose ONE Emphasis area and complete the required number of units in that area.

Emphasis 1: Medical Technology-Complete a minimum of 12 units (all units may have to be 300 level and above, see your Advisor).

Course	Unit	Notes	Semester(s)	Grade(s)
CHEM 241B & CHEM 243B O. Chem II w/lab	4	Recommended for some Medical Schools	F, SP & SUM	
BE 205 Engineering Analytics & Prob Solving	2		SPRING	
BE 310 Introduction to Biosystems Analytics	3	Requires BE 120 & BE 205 as requisites	FALL	
BE 413 Applied Biostatistics	3	MATH 163 or MATH 263 recommended	FALL	
BE 434 Biosystems Analytics	3	Requires Linux, Unix and Intro to Python	SPRING	
BME 477 Introduction to Bioinformatics	3	Requires ECE 175. Cross listed with LAW 477	FALL	
BME 481A Innovation, Translation and Entrepreneurship	2		SPRING	
BME 486 Biomaterial-Tissue Interactions	3		SPRING	
BME 493B Clinical and Translational Research Experience	3		F, SP & SUM	
BSM 391 Preceptorship	3		F & SP	
BSM 498H Honors Thesis	6	You must be Honors student	F & SP	
CMM 465 Fundamentals of Light Microscopy and Digital Imaging	3		SPRING	
ECE 175 Computer Prog for Engineering App or ISTA 130 Computational Thinking & Doing	3	ECE 175 Requires Calculus 1	F & SP	
HSD 410 Device Design in Health Sciences	3	Requires Calculus 1	F & SP	
LAW 476A Drug Discovery, Development, and Innovation to Reach the Marketplace	3		FALL	
LAW 480B - Data Privacy & Cybersecurity in Healthcare	3		SPRING	
LAW 480C - Health Information Technology	3		FALL	
LAW 480D - Telehealth Law & Policy	3		SUMMER	
LAW 488A - Translational Pathways for Medical Devices	3		SUMMER	
MED 319 Medical Technology- Past, Present & Future	3		F & SP	
NEUR 450 Regenerative Medicine	3		FALL	
PHCL 386 Intro to Tech Transfer in Medicine	2		F & SP	
SURG 401 Virtual Medical Care Training & Education in the Digital Age	2		SUMMER	

Emphasis 2: Basic Medical Science. Complete a minimum of 12 units (all units may have to be 300 level and above, see your Advisor).

Course	Units	Notes	Semester(s)	Grade(s)
BSM 391 Preceptorship	3		F & SP	
BSM 498H Honors Thesis	6	You must be Honors student	F & SP	
CHEM 241B & CHEM 243B O. Chem II w/lab	4	Recommended for some Medical Schools	F, SP & SUM	
CMM 401 Gross Anatomy	4		SUMMER	
CMM 404 Cell Biology of Disease	3		SUMMER	
CMM 437 Immunology Basics	1		F, SP & SUM	
CMM 443-5: Medical Embryology	1-3		F, SP & SUM	
EPID 309 Introduction to Epidemiology	3	Requires MATH 108 or MATH 112 or higher MATH	F & SP	
IMB 402 Medical Microbiology Basics	1	New	F, WIN & SP	
IMB 404 Medical Virology Basics	1	New	F, SP & SUM	
IMB 406 Human Immunology	3		F, SP & SUM	
MCB 301 Molecular Basis of Life	4		SPRING	
MCB 304 Molecular Genetics	4		FALL	
MIC 420 Pathogenic Bacteriology	3	MIC 205 or MIC 285 recommended	FALL	
PCOL 350 ADME: How the Body Changes Drugs	3		SPRING	
PCOL 355 Drug Delivery Systems	3		FALL	

. PCOL 467 Pharm of Anti-Cancer Drugs		Requires MCB 181R AND CHEM 241A or 242A or 246A	SPRING	
. PCOL 410 Pharmacogenomics and Precision Medicine	3		SPRING	
. PCOL 465 Infectious Disease Pharmacology	3	Requires MCB 181R AND CHEM 241A or 242A or 246A	FALL	
. PHCL 430 Pain	2	PHCL 412 is required to take this class	FALL	
. PHCL 442 Human Performance Pharmacology	3		FALL	
. PHCL 444 Human Neurobiology Basics	1		F, SP & SUM	
. PHCL 445 Drugs of Abuse	3		SPRING	
. PHCL 460 Designing Drugs	3		SPRING	
. PSIO 427 Metabolism and Disease	3		FALL	
. PSIO 450 Respiratory Physiology	3		SPRING	
. PSIO 452 Digestive Physiology	3		FALL	
. PSIO 465 Systems Neurophysiology	3		SPRING	
. PSIO 467, Endocrine Physiology	3	Requires PSIO 201 & 202 with C grade or better.	FALL	
. PSIO 469 Human Reproductive Physiology	3		SPRING	
. PSIO 485 Cardiovascular Physiology	3		F & SP	
. PSIO 487 Physiology of Aging	3		FALL	

Emphasis 3: Medicine and Society-Complete a minimum of 12 units (all units may have to be 300 level and above, see your Advisor).

Course	Units	Notes	Semester(s)	Grade(s)
. BSM 391 Preceptorship	3		F & SP	
. BSM 498H Honors Thesis	6	You must be Honors student	F & SP	
. CHEM 241B & CHEM 243B O. Chem II w/lab	4	Recommended for some Medical Schools	F, SP & SUM	.
. EHS 420 Environmentally Acquired Illnesses	3		SPRING	
. EHS 425-A Public Health Lens to Climate Change	3	Co-convened with EHS 525, online	SPRING	
. EHS 439A Outbreaks and Environmental Microbiology: Then to Now	3		SUMMER	
. ENTR 448 Healthcare Entrepreneurship	3	Cross listed with MGMT 448	F & SP	
. FCM 304 Pain and Society	3		FALL	
. FCM 305 Mental Health, Illness & Justice	3		FALL	
. FCM 402/502 Addressing Health Disparities through Interprofessional Clinical-Community Collaboration	3		SUMMER	
. FCM 409 Language and Cultural Humility in the Care of the Latinx Community		Enrolled in health field. Spanish proficiency- Instructor will administer ACTFL assessment before course.	F & SP	
. HIST 311 History of Epidemics	3	Cross listed as MED 311	SPRING	
. HIST 373 Politics of Health and Medicine in the Americas: From Historical Roots to Contemporary Development	3		F & SP	
. HNRS 305 Narrative Medicine and Healthcare	3		F & SP	
. HPS 313 Health & Medicine in Classical Antiquity	3		F, SP & SUM	
. HPS 433 Global Health	3		F & SP	
. LAW 452 Health Law	3		FALL	
. LAW 478A - Legal and Regulatory Aspects of Healthcare Delivery	3		FALL	
. LAW 480A - Liability and Regulation of Healthcare Professionals	3		SUMMER	
. MED 318 Medicine- Past, Present & Future or MED 320 Law & Medicine- Parallel Comparisons Through Time	3		F & SP	
. MGMT 438 Healthcare Org & Management	3		F & SP	
. NSC 212 Intuitive Eating Approach to Health & Wellbeing	3	Requires NSC 101 or 170C1	F, SP & SUM	
. NSC 312 Weight Stigma, Nutrition & Health	3	Requires NSC 101 or 170C2	F, SP & SUM	

•	NSC 412 The Body Positive Concept & You	3		F & SP	
•	NSC 432 Exploring Eating Disorders & Body Image	3		F & SP	
•	PCOL 434 Pharmacology of Sex	3	Requires PSIO 202 or PSIO 380 & CHEM 241A or 242A or 246A	SPRING	
•	PCOL 445 Over-the-Counter Drug Information	3	(CHEM 152 or 162 or 142) AND (PSIO 202 or 380)	FALL	
•	PHCL 452 Substance Abuse Disorder	3		SPRING	
•	PHPM 310 Health Care in the U.S.	3		F & SP	

Emphasis 4: Integrative & Practice-Focused Med-Complete a minimum of 12 units (all units may have to be 300+ level, see Advisor).

	Course	Units	Notes	Semester(s)	Grade(s)
•	BSM 391 Preceptorship	3		F & SP	
•	BSM 498H Honors Thesis	6	You must be Honors student	F & SP	
•	CHEM 241B & CHEM 243B O. Chem II w/lab	4	Recommended for some Medical Schools	F, SP & SUM	
•	EMD 147 Emergency Medical Technician	4		F, SP & SUM	
•	EMD 350 Advanced Emergency Medical Services Systems	3		F & SP	
•	FCM 410 Substance Misuse in Maternal and Child Health Populations	3		F & SUM	
•	FCM 303 Difficult Conversations in Patient Care: The Art of Empathy	1		F & SP	
•	FCM 402/502 Addressing Health Disparities through Interprofessional Clinical-Community Collaboration	3		SUMMER	
•	FCM 424/524 Arts and Community Health Intercultural Perspectives and Applications Parts I-III	1-3	FCM 424A is Part I FCM 424B is Part II FCM 424C is Part III	SPRING	
•	FCM 496A Advancements in Substance Misuse Research and Clinical Care Seminar	2		F & SP	
•	FCM 498 Field Training Exp in Comm Health	3		F & SP	
•	MED 301 Healthcare Professional Well-being	1		F & SP	
•	NEUR 450 Regenerative Medicine	3		FALL	
•	NSC 275 Fundamentals of Precision Nutrition and Wellness	3	New	FALL	
•	NSC 310 Principles of Human Nutrition in Health and Disease	3	Requires Tier Two Natural Sciences course requisite: two courses from Tier One Natural Sciences.	FALL & SUM	
•	NSC 315 Sports Nutrition	3	Requires completion of NSC 101 or NSC 170C1	F, W, S, SUM	
•	NSC 320 Nutrition, Physical Activity, and Health Promotion	3	Requires NSC 170C1 or NSC 101 PSIO 201 recommended prior to enrollment in this course	F, SP & SUM	
•	PCOL 313: Therapeutics of Longevity & Ageing	3	Requires CHEM 152 or 142 or 162 or 182 & MCB 181R.	SPRING	
•	PHCL 430 Pain/Neuropharmacology (2 units)	2	Requires PHCL 412 or 512 and 3 units of Biochemistry (300 or higher) and 8 units of Physiology (200 or higher).	FALL	
•	PHCL 442 Human Performance Pharmacology (3 units)	3	Requires 4 Units Physiology OR 4 Units Biology and 4 Units Chemistry.	F & SP	
•	PHCL 452 Substance Abuse Disorder	3		SPRING	
•	PHP 205 - Fundamentals of Telehealth	3		FALL	
•	PHP 312 Health Promotion & Well-Being	3		F & SP	
•	PSY 381 Abnormal Psychology	3	PSY 101 or PSY 150A1	F, W, S, SUM	
•	PSY 383 Health Psychology	3	PSY 101 or PSY 150A1	F, SP & SUM	
•	PSY 405 Developmental Cognitive Neuroscience	3		SPRING	
•	SPAN 125 Elementary Medical Spanish for the Health Professions	4	Must be Healthcare student	F & SP	

Electives

	Course	Units	Notes	Semester(s)	Grade(s)
•	Upper Division Elective	3	Any class that is 300 level and above	F, SP & SUM	
•	Upper Division Elective	3	Any class that is 300 level and above	F, SP & SUM	

FOUR YEAR SAMPLE

YEAR 1 FALL SEMESTER	Units	YEAR 1 SPRING SEMESTER	Units
BSM 101 Intro to Medicine	2	BSM 201 Healthcare Professional	3
BSM 296 Careers in Medicine	3	ENGL 102 First-Year Composition II OR ENGL 109H	3
ENGL 101 First-Year Composition I OR ENGL 101A OR ENGL 109H	3	MATH 163 Statistics OR MATH 263 Biostatistics OR BIOS 376 Intro to Biostatistics	3
MATH 112 College Algebra	3	CHEM 151 OR CHEM 161 & 163 General Chemistry I	4
General Education- Exploring Artist*	3	MCB 181R Intro to Biology Lecture	3
UNIV 101- General Education	1	MCB 181L Intro to Biology I Lab	1
Total Units	15	Total Units	17
YEAR 2 FALL SEMESTER	Units	YEAR 2 SPRING SEMESTER	Units
CHEM 152 OR CHEM 162 & 164 General Chemistry II	4	SELECTIVE OPTION	3/4
ECOL 182R Intro to Biology II Lecture	3	SELECTIVE OPTION	3/4
ECOL 182L Intro to Biology II Lab	1	SELECTIVE OPTION	3/4
SELECTIVE OPTION	3/4	General Education- Exploring Humanist*	3
PSIO 201 Human Anatomy & Physiology I	4	PSIO 202 Human Anatomy & Physiology II	4
Total Units	15/16	Total Units	16/19
YEAR 3 FALL SEMESTER	Units	YEAR 3 SPRING SEMESTER	Units
CMM 410 Intro to Histology & Pathology	3	PHIL 321 OR PSIO 411- Medical Ethics	3
PHCL 412 OR PCOL 406 Intro to Pharmacology	3/5	CMM 461 Clinical Reasoning	1
IMB 401 Medical Microbiology & Immunology OR PSIO 431 Physiology of the Immune System	4/3	SELECTIVE OPTION	3/4
General Education- Exploring Social Scientist*	3	General Education- Building Connections Option* 300+ level	3
General Education- Building Connections Option* 300+ level	3	Second Language	4
		UNIV 301- General Education- Capstone E-Portfolio	1
Total Units	15/17	Total Units	15/16
YEAR 4 FALL SEMESTER	Units	YEAR 4 SPRING SEMESTER	Units
BSM 441 Diagnostic Technologies & Their Role in Healthcare	3	PATH 415 Mechanisms of Human Disease	4
FCM 496D Disability Perspectives in Research, Policy, and Practice	3	Medical Emphasis Elective**	1-3**
Medical Emphasis Elective**	1-3**	Medical Emphasis Elective**	1-3**
Medical Emphasis Elective **	1-3**	300+ Elective (Elective of any topic that is above 300 level)	1-3**
300+ Elective (Elective of any topic that is above 300 level)	3	Second Language	4
Total Units	15	Total Units	17

*Starting Fall 2024, 2 attributes in Diversity & Equity, Quantitative Reasoning, World Cultures & Societies, and Writing within General Education courses above must be completed

**Units will vary depending on Medical Emphasis Elective selected. Student must meet a minimum of 18 units to meet this requirement.

PSY 101 & SOC 101 recommended for MCAT. A maximum of 3 units of P/F can be used in any Emphasis area. Student's must abide by PSIO requirement of Advanced Standing to enter PSIO 300 & 400 level courses

Major Selective Options- Complete a minimum of 15 units (some units may have to be 300+ level, see Advisor).

Description of each course can be found [here](#).

Course Number & Title Units Semester	Units	Course Number & Title Units Semester	Units
ANTH 325 - Bodies in Medicine: Introduction to Medical Anthropology	3	MCB 301- Molecular Basis of Life	4
BIOC 384 - Foundations in Biochemistry	3	MIC 205A - General Microbiology MIC 205L - Biology of Microorganisms Laboratory	4
BIOC 385 - Metabolic Biochemistry	3	MUS 180 - Introduction to Music Therapy	2
BSM 315 Women, Health, and Society (IN DEVELOPMENT)	3	PHP 301 - Introduction to Gerontology	3
BSM 327: Gender and Human Reproduction in Western Health (IN DEVELOPMENT)	3	PHP 308 - Community Health Education for Disease Outbreaks	3
CHEM 241A & 243A - Organic Chemistry Lecture and Lab	4	PHYS 102 & 181 - Introductory Physics I	4
CLAS 116B - Word Roots: Science and Medical Terminology	3	PHYS 103 & 182 - Introductory Physics II	4
ECE 175 - Computer Programming for Engineering Applications	3	PSY 101 - Introduction to Psychology	4
EPID 309 - Introduction to Epidemiology	3	PSY 150A1 - The Structure of Mind and Behavior	4
HPS 300 - Public Health in the 21st Century	3	PSY 382 - The Psychology of Health Disparities	3
HPS 306 - Drugs and Society	3	PSY 385 - Ethical Issues in the Care of Older Adults: Psychology, Policy & Law	3
HPS 387 - Health Disparities & Minority Health	3	SBS 311/411 Design Your Life/Design Your Search (1 unit each)	1
HSD 401 - Design for Health Workshop: Addressing Human Health Challenges with Design Thinking	3	SOC 101 - Introduction to Sociology	3
ISTA 130 - Computational Thinking and Doing (4 units)	3	SPAN 125- Elementary Spanish for Health Professions	4



The information below can assist students in selecting the best Emphasis area suited for the career you seek in Medicine!

Careers in Medical Technology (Emphasis 1)

- Biotechnology
- Bioinformatics
- Blood Bank Technologist
- Big Data in Medicine
- Epidemiologist/Infection Control Agent
- Medical Informatics Specialist
- Medical/Health Science Writer
- Medical Illustrator
- Medical Lab Technician
- Medical Research
- Medical Cyber Security
- Medical Sales Representative
- Medical Marketing Representative
- Personal Medical Devices

Careers in Basic Medical Science (Emphasis 2)

- Healthcare Provider
- Medical School Preparation
- Pharmacy Professional School
- Dentistry Professional School
- Nursing Professional School
- Nurse Anesthetics Preparation
- Physician Assistant Professional School
- Personal Care Aides

Careers in Medicine and Society (Emphasis 3)

- Climate Change & Health
- Population Medicine & Management
- Hospital Counselor/Advisor
- Community Health Worker
- Global & U.S Medical/ Health Systems
- Healthcare Educator/Health Promoter
- School Health Educator
- Health Care Administrator
- Medical & Health Services Manager
- Medical Social Worker
- Public Health Professional
- Medical Community Counselor
- Medical Law & Regulations
- Health Disparities
- Rural Health Educator

Careers in Integrative and Practice- Focused Medicine (Emphasis 4)

- Integrative Medicine
- Substance Misuse in Maternal & Child
- Physiology of Mind-Body Interactions
- Mind-Body-Spirit Mental Health
- Arts and Community Intercultural Perspectives & Applications
- Physical Therapist Preparation
- Occupational Therapist

All emphasis areas above may meet prerequisites to apply for most of the following Medical Professional Programs;

- Dentistry
- Medicine
- Occupational Therapy
- Optometry
- Pharmacy
- Physical Therapy
- Physician Assistant
- Podiatry
- Nursing
- Veterinary Sciences
- Speech-Language Pathology & Audiology
- Public Health
- Nutrition & Dietetics
- Anesthesiology Assistant
- Chiropractic

Make sure you visit <https://explorehealthcareers.org> to explore all great health careers!

Resources for students seeking to enter Medical professional programs:

Quick facts about MD Programs:

<https://theacenter.arizona.edu/sites/default/files/Fact%20Sheet%20for%20MD%202021.pdf>

A-Center Quick Facts:

<https://theacenter.arizona.edu/sites/default/files/Fact%20Sheet%20for%20All%20Health%20Professions%202019%20Final%20Version.docx.pdf>

Anatomy of an Applicant: <https://students-residents.aamc.org/media/10606/download>

Core Competencies: <https://www.aamc.org/services/admissions-lifecycle/competencies-entering-medical-students>

A-Center Pre-Health Events: <https://theacenter.arizona.edu/pre-health/signature-events-programs>

MCAT Preparation Workshop: <https://arizona.app.box.com/v/MCATpreparation/file/868678946568>

Get to Know Faculty YouTube Video: https://www.youtube.com/watch?v=vwqHCl_1mtI

Personal Statement Video: <https://www.youtube.com/watch?v=-zbl-SIS-YY>

Interview Techniques Video: <https://www.youtube.com/watch?v=FjZGblhU8qw>

Earn your Bachelor of Science in Medicine at The University of Arizona

The UA BSMED is a new, four-year degree program designed and delivered as a collaboration between clinicians, basic scientists and humanists, with focus on clinical reasoning and case-based learning. The Program juxtaposes applied topics such as what it is to be a health care provider, clinical case analysis, medical ethics, professionalism, health care delivery to improve quality care, and hands-on experience through simulation, with topics in the human medical sciences, including advanced anatomical, biochemical, neurological, and physiological science, pathology of disease, mechanisms of treatment, and integrative therapies.

BSMED Versus an M.D.

Completion of the BSMED degree does not qualify graduates to be an M.D. or offer direct admissions to a professional medical or health related program

Learning Outcomes

Our overarching goal for the BSMED program are to graduate students who will have the ability to:

- demonstrate in-depth knowledge of the structure and function of the human body in health and disease including use of appropriate medical terminology, and apply this knowledge to evaluation of disease therapies
- demonstrate knowledge of the scope of medical device technology as well as the complex datasets generated and their application to the practice of precision medicine.
- describe social determinants of health including racial/ethnic disparities, and apply scientific evidence, best practices, and professional judgment to proposing strategies to mitigate negative impacts of social factors on health outcomes.
- understand professional and ethical responsibility in independent and/or multidisciplinary team settings.
- demonstrate skills needed to engage in life-long learning, including the ability to find and critically evaluate relevant information, and apply it to solving clinical problems.