

BIOSIS Concept Code List

Broad Concept Heading	Concept Code	Concept Heading
General biology	502	philosophy
	504	taxonomy, nomenclature and terminology
	506	explorations, expeditions, etc.
	508	institutions, administration and legislation
	510	museums, botanical/zoological gardens, aquaria
	512	conservation, resource management
	514	textbooks, general; education; audio-visual aids
	516	nature study and materials
	518	nontechnical literature (minor only)
	520	symposia, transactions, proceedings
	522	history and archaeology
	524	biographies
	526	bibliography
	530	information, documentation, retrieval and computer applications
	531	forensic science
	532	miscellaneous
Methods	1004	laboratory methods
	1006	laboratory apparatus
	1008	field methods
	1010	field apparatus
	1012	photography
	1014	apparatus; miscellaneous
Microscopy	1052	general and special techniques
	1054	cytology and cytochemistry
	1056	histology and histochemistry
	1058	electron microscopy
Evolution	1500	Evolution
Cytology	2502	general
	2504	plant
	2506	animal
	2508	human
Genetics	3502	general
	3504	plant
	3506	animal
	3508	human
	3509	population genetics
	3510	sex differences
Mathematical biology and statistical methods	4500	Mathematical biology and statistical methods
Physical anthropology; ethnobiology	5000	Physical anthropology; ethnobiology
Social biology; human ecology	5500	Social biology; human ecology
Aerospace/underwater biology	6002	general; methods
	6004	ecology and psychology
	6006	physiology and medicine
	6008	engineering and instrumentation
	6010	exobiology
	6012	space radiation
Subterranean bioresearch	6400	Subterranean bioresearch
Radiation biology	6502	general

	6504	radiation and isotope techniques
	6506	radiation effects and protective measures
Behavioral biology	7002	general and comparative behavior
	7003	animal behavior
	7004	human behavior
	7005	conditioning
	7006	animal communication
Circadian rhythms and other periodic cycles	7200	Circadian rhythms and other periodic cycles
Ecology; environmental biology	7502	general; methods
	7504	bioclimatology and biometeorology
	7506	plant
	7508	animal
	7510	oceanography and limnology
	7512	oceanography
	7514	limnology
	7516	wildlife management; aquatic
	7518	Wildlife management; terrestrial
Clinical biochemistry; general methods and applications	10006	Clinical biochemistry; general methods and applications
Comparative biochemistry, general	10010	Comparative biochemistry, general
Biochemistry	10011	physiological water studies
Biochemistry; gases	10012	Biochemistry; gases
Biochemistry methods	10050	general
	10052	nucleic acids, purines and pyrimidines
	10053	vitamins
	10054	proteins, peptides and amino acids
	10055	porphyrins and bile pigments
	10056	lipids
	10057	sterols and steroids
	10058	carbohydrates
	10059	minerals
Biochemistry studies	10060	general
	10062	nucleic acids, purines and pyrimidines
	10063	vitamins
	10064	proteins, peptides and amino acids
	10065	porphyrins and bile pigments
	10066	lipids
	10067	sterols and steroids
	10068	carbohydrates
	10069	minerals
Replication, transcription, translation	10300	Replication, transcription, translation
Biophysics	10502	general biophysical studies
	10504	general biophysical techniques
	10506	molecular properties and macromolecules
	10508	membrane phenomena
	10510	bioenergetics: electron transport and oxidative phosphorylation
	10511	bioengineering
	10515	biocybernetics
External effects	10602	general

	10604	light and darkness
	10606	pressure
	10608	sonics; ultrasonics
	10610	electric, magnetic and gravitational phenomena
	10612	physical and mechanical effect
	10614	temperature as a primary variable
	10616	temperature as a primary variable - cold
	10618	temperature as a primary variable - hot
	10620	humidity
Enzymes	10802	general and comparative studies; coenzymes
	10804	methods
	10806	chemical and physical
	10808	physiological studies
Anatomy ; general/comparative	11102	gross anatomy
	11103	comparative anatomy
	11104	experimental anatomy
	11105	surgery
	11106	radiologic anatomy
	11107	regeneration and transplantation
	11108	microscopic and ultramicroscopic anatomy
Chordate body regions	11302	general
	11304	head
	11306	facial
	11308	neck
	11309	shoulder
	11310	back and buttocks
	11311	lumbar
	11312	thorax
	11314	abdomen
	11316	pelvis
	11318	extremities
Physiology: gen./misc.	12002	general
	12003	comparative
	12004	instrumentation
	12006	methods
	12008	stress
	12010	exercise and physical therapy
Movement	12100	Movement
Pathology: gen./misc.	12502	general
	12503	comparative
	12504	diagnostic
	12508	inflammation and inflammatory disease
	12510	necrosis
	12512	therapy
Metabolism	13002	general metabolism; metabolic pathways
	13003	energy and respiratory metabolism
	13004	carbohydrates
	13006	lipids
	13008	sterols and steroids
	13010	minerals
	13012	proteins, peptides and amino acids
	13013	porphyrins and bile pigments
	13014	nucleic acids, purines and pyrimidines
	13015	vitamins, general
	13016	fat-soluble vitamins
	13018	water-soluble vitamins
	13020	metabolic disorders

Nutrition	13202	general studies, nutritional status and methods
	13203	malnutrition; obesity
	13206	minerals
	13207	vitamins, general
	13208	fat-soluble vitamins
	13210	water-soluble vitamins
	13214	general dietary studies
	13216	pathogenic diets
	13218	prophylactic and therapeutic diets
	13220	carbohydrates
	13222	lipids
	13224	proteins, peptides and amino acids
	13226	sterols and steroids
Food technology	13502	general; methods
	13504	fruits, nuts and vegetables
	13506	milling technology
	13508	baking technology
	13510	cereal chemistry
	13512	malts, brews and other fermentation products
	13514	fats and oils
	13516	meats and meat by-products
	13518	dairy products
	13520	poultry and eggs
	13522	fish and other marine and freshwater products
	13524	sugar
	13530	evaluations of physical and chemical properties
	13532	preparation, processing and storage
	13534	synthetic, supplemental and enrichment foods
Digestive system	14001	general; methods
	14002	anatomy
	14004	physiology and biochemistry
	14006	pathology
Cardiovascular system	14501	general; methods
	14502	anatomy
	14504	physiology and biochemistry
	14506	heart pathology
	14508	blood vessel pathology
Blood	15001	general; methods
	15002	blood and lymph studies
	15004	blood cell studies
	15006	blood, lymphatic and reticuloendothelial pathologies
	15008	lymphatic tissue and reticuloendothelial system
	15010	other body fluids
Urinary system	15501	general; methods
	15502	anatomy
	15504	physiology and biochemistry
	15506	pathology
Respiratory system	16001	general; methods
	16002	anatomy
	16004	physiology and biochemistry
	16006	pathology
Reproductive system	16501	general; methods
	16502	anatomy
	16504	physiology and biochemistry
	16506	pathology

Endocrine	17002	general
	17004	adrenals
	17006	gonads and placenta
	17008	pancreas
	17010	parathyroid
	17012	pineal
	17014	pituitary
	17016	thymus
	17018	thyroid
	17020	neuroendocrinology
Muscle	17501	general; methods
	17502	anatomy
	17504	physiology and biochemistry
	17506	pathology
Bones, joints, fasciae, connective and adipose tissue	18001	general; methods
	18002	anatomy
	18004	physiology and biochemistry
	18006	pathology
Coelomic membranes; mesenteries and related structures	18200	Coelomic membranes; mesenteries and related structures
Integumentary system	18501	general; methods
	18502	anatomy
	18504	physiology and biochemistry
	18506	pathology
Dental biology	19001	general; methods
	19002	anatomy
	19004	physiology and biochemistry
	19006	pathology
Sense organs	20001	general; methods
	20002	anatomy
	20004	physiology and biochemistry
	20006	pathology
	20008	deafness, speech and hearing
Nervous system	20501	general; methods
	20502	anatomy
	20504	physiology and biochemistry
	20506	pathology
Psychiatry	21001	general; medical psychology and sociology
	21002	psychopathology; psychodynamics and therapy
	21003	psychophysiology
	21004	addiction (alcohol, drugs, smoking, etc.)
	21006	mental retardation
Pharmacology	22002	general
	22003	drug metabolism; metabolic stimulators
	22005	clinical pharmacology
	22008	blood and hematopoietic agents
	22010	cardiovascular system
	22012	connective tissue, bone and collagen-acting drugs
	22014	digestive system
	22016	endocrine system
	22018	immunological processes and allergy
	22020	integumentary system, dental and oral biology
	22022	muscle system

	22024	neuropharmacology
	22026	psychopharmacology
	22028	reproductive system; implantation studies
	22030	respiratory system
	22031	sense organs, associated structures and functions
	22032	urinary system
Routes of immunization, infection and therapy	22100	Routes of immunization, infection and therapy
Toxicology	22501	general; methods and experimental
	22502	foods, food residues, additives and preservatives
	22504	pharmacological toxicology
	22505	antidotes and preventative toxicology
	22506	environmental and industrial toxicology
	22508	veterinary toxicology
Temperature	23001	general measurement and methods
	23004	cryobiology
	23005	thermotherapy
	23006	hypothermia, hyperthermia
	23007	thermopathology
	23008	thermorhythms
	23010	thermoadaptation
	23012	thermoregulation
Neoplasms	24001	diagnostic methods
	24002	general
	24003	immunology
	24004	pathology; clinical aspects; systemic effects
	24005	neoplastic cell lines
	24006	biochemistry
	24007	carcinogens and carcinogenesis
	24008	therapeutic agents; therapy
	24010	blood and reticuloendothelial neoplasms
Gerontology	24500	Gerontology
Pediatrics	25000	Pediatrics
Developmental/embryology	25502	general and descriptive
	25503	pathological
	25504	experimental
	25508	morphogenesis, general
	25552	descriptive teratology/teratogenesis
	25554	experimental teratology/teratogenesis
Animal production	26502	general; methods
	26504	feeds and feeding
	26506	breeds and breeding
Poultry production	27002	general; methods
	27004	feeds and feeding
	27006	breeds and breeding
Microorganisms, general	29500	Microorganisms, general
Bacteriology, general and systematic	30000	Bacteriology, general and systematic
Morphology and cytology of bacteria	30500	Morphology and cytology of bacteria

Physiology and biochemistry of bacteria	31000	Physiology and biochemistry of bacteria
Genetics of bacteria and viruses	31500	Genetics of bacteria and viruses
Microbiological apparatus, methods and media	32000	Microbiological apparatus, methods and media
Microbiological ultrastructure	32300	Microbiological ultrastructure
Tissue culture, apparatus, methods and media	32500	Tissue culture, apparatus, methods and media
In vitro studies, cellular and subcellular	32600	In vitro studies, cellular and subcellular
Virology	33502	general; methods
	33504	bacteriophage
	33506	animal host viruses
	33508	plant host viruses
Immunology	34502	general; methods
	34504	bacterial, viral and fungal
	34506	immunohematology, blood groups
	34508	immunopathology, tissue immunology
Immunology, parasitological	35000	Immunology, parasitological
Allergy	35500	Allergy
Medical and clinical microbiology	36001	general; methods and techniques
	36002	bacteriology
	36006	virology
	36007	phycology
	36008	mycology
	36504	serodiagnosis
	36506	skin tests
Public health	37001	general and miscellaneous
	37003	epizootiology
	37006	public health laboratory methods
	37008	disinfection and vector control; pesticides
	37010	public health administration and statistics
	37012	health services and medical care
	37013	occupational health
	37014	sewage disposal and sanitary measures
	37015	air, water and soil pollution
	37017	radiation health
	37019	miscellaneous
Public health: epidemiology	37052	communicable diseases
	37054	organic diseases and neoplasms
	37056	miscellaneous
Public health: disease vectors	37057	general
	37058	animate
	37060	inanimate
Public health microbiology	37400	Public health microbiology
Veterinary science	38002	general; methods
	38004	pathology
	38006	microbiology

Chemotherapy	38502	general; methods; metabolism
	38504	antibacterial agents
	38506	antiviral agents
	38508	antifungal agents
	38510	antiparasitic agents
Food microbiology	39002	food and beverage spoilage and contamination
	39003	food and beverage fermentation
	39004	antibiotics, biologics, other agents
	39006	biodegradation and biodeterioration
	39007	biosynthesis, bioassay and fermentation
	39008	general and miscellaneous
Disinfection, disinfectants and sterilization	39500	Disinfection, disinfectants and sterilization
Soil microbiology	40000	Soil microbiology
Cosmetics	42100	Cosmetics
Paleobotany	50000	Paleobotany
Palynology	50100	Palynology
Botany: general/systematic	50501	cryptogamae (major only)
	50503	thallophyta (major only)
	50504	algae (major only)
	50506	fungi (major only)
	50510	lichenes (major only)
	50511	embryophyta (major only)
	50512	bryophyta (major only)
	50513	tracheophyta (major only)
	50514	pteridophyta (major only)
	50516	spermatophyta (major only)
	50518	gymnospermae (major only)
	50522	angiospermae (major only)
	50524	monocotyledones (major only)
	50526	dicotyledones (major only)
	50528	floristics and distribution
	50530	gen./miscell. (major only)
Morphology, anatomy and embryology of plants	51000	Morphology, anatomy and embryology of plants
Plant physiology	51502	water relations
	51503	temperature
	51504	nutrition
	51506	photosynthesis
	51508	respiration, fermentation
	51510	growth, differentiation
	51512	reproduction
	51514	growth substances
	51516	light and radiation effects
	51517	electric, magnetic and gravitational phenomena
	51518	enzymes
	51519	metabolism
	51520	translocation, accumulation
	51522	chemical constituents
	51523	bioluminescence
	51524	apparatus and methods
	51526	general and miscellaneous
Economic botany, general	52000	Economic botany, general

Agronomy	52502	general, miscellaneous and mixed crops
	52504	grain crops
	52506	forage crops and fodder
	52508	fiber crops
	52510	sugar crops
	52512	tobacco crops
	52514	oil crops
	52518	weed control
Soil science	52801	general; methods
	52803	genesis, morphology, classification, geology
	52805	physics and chemistry
	52807	fertility and applied studies
Horticulture	53002	temperate zone fruits and nuts
	53004	tropical/subtropical fruits ; plantation crops
	53006	small fruits
	53008	vegetables
	53010	flowers and ornamentals
	53012	general; miscellaneous and mixed crops
Forestry and forest products	53500	Forestry and forest products
Pharmacognosy and pharmaceutical botany	54000	Pharmacognosy and pharmaceutical botany
Phytopathology	54502	diseases caused by fungi
	54504	diseases caused by bacteria
	54506	diseases caused by phanerogams
	54507	diseases caused by algae
	54508	diseases caused by animal parasites
	54510	diseases caused by viruses
	54512	nonparasitic diseases
	54514	parasitism and resistance
	54516	disease control
	54518	general and miscellaneous
Pest control: general; pesticides; herbicides	54600	Pest control: general; pesticides; herbicides
Economic entomology	60002	general
	60004	field, flower and truck crops
	60006	fruits and nuts
	60008	stored products
	60010	trees, ornamentals and wood products
	60012	animal pests
	60014	biological control
	60015	integrated control
	60016	chemical control, general; apparatus
	60018	apiculture
	60020	sericulture
Parasitology	60502	general
	60504	medical
	60506	veterinary
Sanitary entomology	61000	Sanitary entomology
Chordata: general/systematic zoology	62502	general (major only)
	62503	protochordata (major only)
Chordata: general/systematic	62510	pisces (major only)
	62512	amphibia (major only)

	62514	amphibia (major only)
	62516	reptilia (major only)
	62518	aves (major only)
	62520	mammalia (major only)
Animal distribution	62800	Animal distribution
Paleozoology	63000	Paleozoology
Invertebrata: general/systematic	63501	general (major only)
	63502	protozoa (major only)
	63504	mesozoa (major only)
	63506	porifera (major only)
	63508	cnidaria (major only)
	63509	ctenophora (major only)
	63510	platyhelminthes (major only)
	63512	rhynchozoela (major only)
	63514	acanthocephala (major only)
	63516	aschelminthes (major only)
	63518	entoprocta (major only)
	63520	phoronidea (major only)
	63522	ectoprocta (major only)
	63524	brachiopoda (major only)
	63526	mollusca (major only)
	63528	sipunculoidea (major only)
	63530	annelida (major only)
	63532	echiuroida (major only)
	63534	linguatulida (major only)
	63536	tardigrada (major only)
	63538	onychophora (major only)
	63542	chaetognatha (major only)
	63544	hemichordata (major only)
	63546	pogonophora (major only)
	63548	echinodermata (major only)
	63552	arthropoda: general (major only)
	63554	arthropoda: crustacea (major only)
	63556	arthropoda: myriapoda (major only)
	63572	insecta: general (major only)
	63573	insecta: coleoptera (major only)
	63574	insecta: diptera (major only)
	63576	fossil insecta (major only)
	63578	insecta: hemiptera
	63580	insecta: homoptera (major only)
	63582	insecta: hymenoptera (major only)
	63584	insecta: lepidoptera (major only)
	63586	insecta: neuroptera (major only)
	63588	insecta: orthoptera (major only)
	63590	insecta: other orders (major only)
	63592	chelicerata: general (major only)
	63594	chelicerata: arachnida (major only)
	63596	chelicerata: acarina (major only)
	63597	chelicerata: merostomata (major only)
	63598	chelicerata: pycnogonida
Invertebrata: Comparative Experimental Morphology, Physiology and Pathology	64001	general
	64002	protozoa
	64004	mesozoa
	64006	porifera
	64008	cnidaria
	64009	ctenophora
	64010	platyhelminthes
	64012	rhynchozoela

	64014	acanthocephala
	64016	aschelminthes
	64018	entoprocta
	64020	phoronidea
	64022	ectoprocta
	64024	brachiopoda
	64026	mollusca
	64028	sipunculoidea
	64030	annelida
	64032	echiuroida
	64034	linguatulida
	64036	tardigrada
	64038	onychophora
	64042	chaetognatha
	64044	hemichordata
	64046	pogonophora
	64048	echinodermata
	64052	arthropoda: general
	64054	arthropoda: crustacea
	64056	arthropoda: myriapoda
	64060	arthropoda: chelicerata
	64072	insecta: general
	64074	insecta: morphology, comparative
	64076	insecta: physiology
	64078	insecta: pathology
Invertebrate body regions	64202	general
	64204	head
	64206	cephalothorax
	64208	thorax
	64210	abdomen
	64212	appendages
	64214	hard parts
	64216	orifices, pores and cavities
	64218	special organs
Paleobiology	64500	Paleobiology
Geological periods	64702	General and Unspecified
	64704	Precambrian
	64705	Paleozoic, General
	64706	Cambrian
	64708	Ordovician
	64710	Silurian
	64712	Devonian
	64714	Carboniferous (Mississippian and Pennsylvanian)
	64716	Permian
	64717	Mesozoic, General
	64718	Triassic
	64720	Jurassic
	64722	Cretaceous
	64723	Cenozoic, General
	64724	Tertiary
	64726	Pleistocene
	64728	Recent