Michigan Technological University

Academic Program Codes – by degree type
Academic Year 2023-2024

Program/Degree Option	Major Code

Undergraduate Degrees (BS, BA, ASC, AS)

Program/Degree Option		Major Code
Accounting (BS)		BACC
Data Analytics (Conc)		BAC1
Anthropology (BS)		SANT
Applied Ecology and Environmental Sciences (BS)		FES
Applied Geophysics (BS)		EAG
Applied Physics (BS)		SAP
Audio Production and Technology (BS)		SFAT
Biochemistry and Molecular Biology (BS)	Bio Sci	SMBB
Biochemistry and Molecular Biology (BS)	Chemistry	SMBC
Biological Sciences (BS)		SBL
Biomedical Engineering (BS)		EBE
Engineering Enterprise (Conc)		EBEE
Business Analytics (BS)		SBA
Chemical Engineering (BS)		ECM
Engineering Enterprise (Conc)		ECME
Chemistry (BA)		SCA
Pre-Pharmacy (Conc)		SCA1
Chemistry (BS)		SCH
Biochemistry (Conc)		SCH2
Chemical Physics (Conc)		SCH4
Environmental (Conc)		SCH5
Polymers (Conc)		SCH1
Civil Engineering (BS)		ECE
Engineering Enterprise (Conc)		ECEE
Communication, Culture, and Media (BA)		SCCM
Computational Biology (BS)		SCB
Computational Chemistry and Chemical Informatics (BS)		SCCC
Computer Engineering (BS)		ECP
Computer Engineering Enterprise (Conc)		ECPE
Computer Network and System Administration (BS)		TCSA
Computer Science* (BS)		SCS
Applications (Conc)		SCS1
Computer Science (Conc)		SCS2
Computer Systems (Conc)		SCS6
Game Development (Conc)		SCS7
Construction Management (BS)		TCMG
Cybersecurity (BS)		CCY
Software Security (Conc)		CCY1
System and Network Security (Conc)		CCY2
Data Science (BS)		IDS
Economics (BS)		BEC
Ecology and Evolutionary Biology (BS)		SEEB
Electrical Engineering (BS)		EEE
Biomedical Applications (Conc)		EEEB
Electric Power Engineering (Conc)		EEEW
Engineering Enterprise (Conc)		EEEE
Environmental Applications (Conc)		EEEV
Photonics (Conc)		EEEP
Electrical Engineering Technology (BS)		TEET
Engineering (BS)		EBS
Engineering (AS)		EAEN
Engineering Management (BS)		BEM
English (BA)		SEN
Environmental Engineering (BS)		EEN
Engineering Enterprise (Conc)		EENE

Undergraduate Degrees (BS, BA, ASC, AS)
Continued

Program/Degree Option	Major Code
Environmental Science and Sustainability (BS)	FESS
Exercise Science (BS)	SESC
Finance (BS)	BFIN
Forestry (BS)	FFR
General Business	BGN
General Computing	CGN
General Engineering	EGN
General Forestry	FGN
General Pre-Health Professions	SGPH
General Sciences and Arts	SGSA
Geological Engineering (BS)	EGE
Engineering Enterprise (Conc)	EGEE
Geology (BS)	EGL
Geospatial Engineering (BS)	ECGE
History (BA)	SSH
Human Biology (BS)	SHB
Human Factors (BS)	SHF
Systems Thinking and Design (Conc)	SHF1
Human-Computer Interface Design (Conc)	SHF2
Innovation and Human-Centered Design (Conc)	SHF3
Humanities (ASC)	SAH
Management (BS)	BMGT
Entrepreneurship (Conc)	BMG2
Supply Chain and Operations Management (Conc)	BMG1
Management Information Systems (BS)	BMIS
Marketing (BS)	BMKT
Materials Science and Engineering (BS)	EMSE
Engineering Enterprise (Conc)	MSEE
Mathematics* (BS)	SMA
Actuarial Science (Conc)	SMA6
Applied/Computational (Conc)	SMA8
Business Analytics (Conc)	SMA0
Discrete Mathematics (Conc)	SMA5
Education Preparation (Conc)	SMA9
General Mathematics (Conc)	SMA2
Mathematics and Computer Science (BS)	SMCS
Mechanical Engineering (BS)	EME
Engineering Enterprise (Conc)	EMEE
Mechanical Engineering Technology (BS)	TMET
Mechatronics (BS)	IMX
Medical Laboratory Science* (BS)	SML
3+1 (Conc)	SML8
4+1 (Conc)	SML9
Medicinal Chemistry (BS)	SCMC
Mining Engineering (BS)	EMG
Natural Resources Management (BS)	FNRM
Nursing (BS)	SNUR
Physics (BA)	SPA
Physics (BS)	SPH
Policy and Community Development (BS)	SPCD
Law (Conc)	SPC1
Environment (Conc)	SPC2
Health (Conc)	SPC3

*Major cannot be pursued without a concentration

Program/Degree Option	Major Code

Program/Degree Option	Major Code
Psychology (BS)	SPSY
Clinical/Counseling Psychology (Conc)	SPS1
Cognitive Psychology (Conc)	SPS2
Social Psychology (Conc)	SPS3
Robotics Engineering (BS)	ERE
Scientific and Technical Communication (BA)	STA
Scientific and Technical Communication (BS)	STC
Social Sciences (BS)	SSS
Policy, Law, and Society (Conc)	SSS5
Software Engineering (BS)	SSEN
Sound Design (BA)	SFSD
Sports and Fitness Management (BS)	SSFM
Statistics (BS)	SST
Sustainability Science and Society (BS)	SSSU
Sustainable Bioproducts* (BS)	FSB
Bioproducts Business (Conc)	FSB1
Circular Economy (Conc)	FSB3
Sustainable Structures (Conc)	FSB2
Theatre and Entertainment Technology (BS)	SFET
Wildlife Ecology and Conservation (BS)	FWEC

Graduate Degrees (MBA, MEG, MEM, MF, MGIS, MS, PHD)

Program/Degree Option	Major Code
Accounting (MS)	BACC
Applied Cognitive Science and Human Factors (MS) (PhD)	SACS
Applied Computer Science (MS)	CACS
Applied Ecology (MS)	FAE
Applied Natural Resource Economics (MS)	BNRE
Applied Physics (MS) (PhD)	SAP
Applied Statistics (MS)	SAST
Atmospheric Sciences (PhD)	IAS
Biochemistry and Molecular Biology (PhD)	IBMB
Biological Sciences (MS) (PhD)	SBL
Biomedical Engineering (MS) (PhD)	EBE
Chemical Engineering (MS) (PhD)	ECM
Chemistry (MS) (PhD)	SCH
Civil Engineering (MS) (PhD)	ECE
Computer Engineering (PhD)	ECP
Computer Science (MS) (PhD)	SCS
Cybersecurity (MS)	SCSC
Data Science (MS)	IDS
Electrical and Computer Engineering (MS)	EECE
Electrical Engineering (PhD)	EEE
Engineering (PhD)	EPD
Engineering-Computational Science and Engineering (PhD)	EPD5
Engineering-Environmental Engineering (PhD)	EPD2
Engineering Management (MEM)	BMEM
Engineering Mechanics (MS)	EEM
Environmental and Energy Policy (MS) (PhD)	SEEP
Environmental Engineering (MS)	EEN
Environmental Engineering Science (MS)	EENS
Forest Ecology and Management (MS)	FFEM
Forest Molecular Genetics and Biotechnology (MS) (PhD)	FMGB
Forest Science (PhD)	FFS
Forestry (MS)	FFR
Geological Engineering (MS) (PhD)	EGE
Geology (MS) (PhD)	EGL
Geophysics (MS) (PhD)	EGP
Health Informatics (MS)	CHI

Program/Degree Option	Major Code
Industrial Heritage and Archaeology (MS) (PhD)	SIHA
Integrated Geospatial Technology (MS)	TGT
Integrative Physiology (PhD)	SKIP
Kinesiology (MS)	SKIN
Manufacturing Engineering (MS)	EMME
Master of Business Administration (MBA)	BMBA
Master of Engineering (MEG)	EGR
Master of Forestry (MF)	FMF
Master of Geographic Information Science (MGIS)	FGIS
Materials Science and Engineering (MS) (PhD)	EMSE
Mathematical Sciences (MS) (PhD)	SMAG
Mechanical Engineering (MS)	EME
Mechanical Engineering-Engineering Mechanics (PhD)	MEEM
Mechatronics (MS)	IME
Mining Engineering (MS) (PhD)	EMG
Physics (MS) (PhD)	SPH
Rhetoric, Theory and Culture (MS) (PhD)	SRTC
Statistics (MS) (PhD)	SST
Sustainable Communities (MS)	SSSC

Minors

Program/Degree Option	Major Code
Aerospace Engineering Mech Eng	EMAE
Aerospace Studies Air Force ROTC	AFAS
Alternative Energy Technology Chem Eng	IMAE
American Studies Soc Sci	SSAS
Applied Geophysics GMES	EAGM
Art VPA	FAAR
Astrophysics Physics	SPHA
Biochemistry Bio Sci	BLBC
Bioethics Humanities	HUB
Biological Sciences Bio Sci	SBLM
Cellular or Genetic Track	BLGT
Organismal Track	BLOT
Biomaterials Biomed Eng	EBMM
Biomedical Engineering Biomed Eng	EBEM
Bioprocess Engineering Bio Sci /Chem Eng	IMBE
Business CB	BUSM
Business IT Solutions CB	BITM
Business of Forestry CFRES/CB	IMBF
Chemistry Chemistry	SCHM
Coaching Fundamentals KIP	PECF
Communication Studies Humanities	HUCS
Computer Science Comp Sci	SCSM
Construction Management CB/CEGE	IMCM
Cybersecurity Applied Computing	TCYM
Data Acquisition and Industrial Control Applied Computing	TDAC
Diversity Studies Humanities	HUDS
Earth Sciences GMES	EGLM
Ecology Bio Sci/CFRES	IMEC
Economics CB	BECM
Electrical Engineering Elec & Comp Eng	EEEM
Electronic Materials Mat Sci & Eng	MSEM
Enterprise Pavlis Honors College	ENTM
Entrepreneurship CB	BETM
Ethics and Philosophy Humanities	HUEP
Financial Technology CB	BFTM
Fish Biology Bio Sci	BLFB
French Humanities	HUF
French International Humanities	HUIF
Geological Engineering GMES	EGEM
German Humanities	HUG
German International Humanities	HUIG

Program/Degree Option	Major Code		Program/Degree Option	Major Code

Minors – Continued

Global Business CB	BGBM
Global Community Development Partnerships	IMGC
Pavlis Honors College	
Global Studies Soc Sci	SSGS
Historical Studies Soc Sci	SSHS
Humanitarian Engineering CEGE	ECHM
Jazz Studies VPA	FAJS
Journalism Humanities	HUJN
Law and Society Soc Sci	SSLS
Leadership Pavlis Honors College	IMLE
Manufacturing Mech Eng	EMMF
Manufacturing Systems MMET	EMSM
Mathematical Sciences Mathematics	SMAM
Media Production Humanities	HUME
Medical Devices & Instrumentation Biomed Eng	EMDM
Medicinal Chemistry Chemistry	SMCM
Microbiology Bio Sci	BLMB
Military Arts and Science Air Force ROTC	AMAS
Mineral Processing Chem Eng	CMMP
Mining GMES	EMGM
Municipal Engineering CEGE	ECEM
Music VPA	FAMU
General Music Focus	MUGM
Music Technology Focus	MUMT
Jazz Idiom Focus	MUJI
Music Composition VPA	FAMC
Music Performance VPA	FAMP
Nanoscale Science and Engineering Physics	IMNT
Naval Systems Engineering Mech Eng	EMNS
Pharmaceutical Chemistry Chemistry	CHPM
Physics Physics	SPHM
Plant Biotechnology Bio Sci/CFRES	IMPB
Plant Sciences Bio Sci/CFRES	IMPS
Polymer Science and Engineering Chem Eng	ECMM
Pre-Health Professions Bio Sci	BLPH
Psychology Cognitive and Learning Sci	PSYM
Public Health KIP	PHM
Rail Transportation CEGE	ECRM
Social and Behavioral Studies Soc Sci	SSBH
Sound VPA	FAS
Spanish Humanities	HUS
Spanish International Humanities	HUIS
Statistics Mathematics	SSTM
Structural Materials Mat Sci & Eng	MSSM
Surveying CEGE	TSUM
Sustainability Science and Society Soc Sci	SSSM
Sustainable Biomaterials CFRES	FSBM
Systems Engineering Eng Fund	ESEM
Technical Theater VPA	FATT
Theater Arts VPA	FATA
Theatre Performance VPA	FATP
Tissue & Stem Cell Engineering	ETSM
Biomed Eng	
Writing Humanities	HUW

Certificates – Post Graduate (CERT)

Actuarial Science Mathematics	CASC
Business Analytics Mathematics	CBA
Coaching Endorsement KIP	CCE
Electric Power Engineering Elec & Comp Eng	CEPE

Certificates – Graduate (GRCERT)

Accounting Analytics	CAA
Advanced Computational Physics	CACP
Advanced Electric Power Engineering	CAEP
Advanced Photogrammetry and Mapping with UAS	CAPM
Aerodynamics	AERC
Applied Statistics	CAS
Artificial Intelligence in Healthcare	CAIH
Automation and Controls in Mechatronic Systems	CACM
Automotive Systems and Controls	IASC
Big Data Statistics in Astrophysics	CBDS
Computational Fluid Dynamics	CCFD
Computational Materials Science	CMSC
Control Systems	CCS
Data Science Foundations	IDSF
Dynamic Systems	CDS
Electronics Materials and Processing	CEMP
Engineering Sustainability and Resilience	CESR
Fluid Power in Mechatronic Systems	CFPM
Forensic Accounting	CFA
Foundations of Health Informatics	CFHI
Frontiers in Materials Physics	CFMP
Frontiers in Optics and Photonics	CFOP
Fundamentals of Materials Engineering	CMSF
Geoinformatics	CGEO
Geospatial Data Science and Technology	CGDS
Hybrid Electric Drive Vehicle Engineering	CHEV
Industrial Robotics	CIR
Manufacturing Engineering	CME
Medical Devices and Technologies	CMDT
Medical Imaging	CMI
Natural Hazards and Disaster Risk Reduction	CNHD
Natural Resource and Environmental Economics	CNRE
Network and Communication Systems	CNCS
Post-Secondary STEM Education	CPSE
Profit-Increasing Strategies in Chemical Processing	CCP
Public Health Informatics	CPHI
Public Policy	CSPP
Quality Engineering	CQE
Resilient Water Infrastructure	CRWI
Safety and Security of Autonomous Cyber-Physical Systems	ISSC
Scientific Computing	CSC
Security and Privacy in Healthcare	CSPH
Signal and Image Processing	CSIP
Structural Engineering: Advanced Analysis	CSEA
Structural Engineering: Bridge Analysis and Design	CSEB
Structural Engineering: Building Design	CSED
Structural Engineering: Hazard Analysis	CSEH
Structural Engineering: Timber Building Design	CSET
Sustainable Pavement Design and Construction	CSPD
Vehicle Dynamics	CVD
Water Resources Modeling	CWRM
Water, Sanitation, and Hygiene (WASH)	CWSH

Administrative Codes

English as a Second Language	IESL
Non-Degree Seeking (Undergraduate level)	NDS
Post-Degree Studies	PDS
Non-Degree Seeking (Graduate level)	NDG
Pre-Nursing	SPNU

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