



# Michigan Technological University

## Academic Program Codes Academic Year 2019-2020

Program/Degree Option	Code
<b>School of Business and Economics</b>	
<b>Accounting</b> (BS) (MS)	BACC
Data Analytics (Conc)	BAC1
<b>Economics</b> (BS)	BEC
<b>Engineering Management</b> (BS)	BEM
<b>Finance</b> (BS)	BFIN
<b>General Business</b>	BGN
<b>Management</b> (BS)	BMGT
Entrepreneurship (Conc)	BMG2
Supply Chain and Operations Management (Conc)	BMG1
<b>Management Information Systems</b> (BS)	BMIS
<b>Marketing</b> (BS)	BMKT
<b>Applied Natural Resource Economics</b> (MS)	BNRE
<b>Master of Business Administration</b> (MBA)	BMBA
Business (Minor)	BUSM
Economics (Minor)	BECM
Global Business (Minor)	BGBM

### College of Computing

<b>General Computing</b>	CGN
<i>Computer Science</i>	
<b>Computer Science*</b> (BS) (MS) (PhD)	SCS
Applications (Conc)	SCS1
Computer Science (Conc)	SCS2
Computer Systems (Conc)	SCS6
Game Development (Conc)	SCS7
<b>Software Engineering</b> (BS)	SSEN
<b>Cybersecurity</b> (MS)	SCSC
Computer Science (Minor)	SCSM

### CNSA/MERET/HI

<b>Computer Network and System Administration</b> (BS)	TCSA
<b>Cybersecurity</b> (BS)	CCY
Software Security (Conc)	CCY1
System and Network Security (Conc)	CCY2
<b>Electrical Engineering Technology</b> (BS)	TEET
<b>Health Informatics</b> (MS)	CHI
Cybersecurity (Minor)	TCYM
Data Acquisition and Industrial Control (Minor)	TDAC

### College of Engineering

<b>General Engineering</b>	EGN
<i>Biomedical Engineering</i>	
<b>Biomedical Engineering</b> (BS) (MS) (PhD)	EBE
Engineering Enterprise (Conc)	EBEE
Biomaterials (Minor)	EBMM
Biomedical Engineering (Minor)	EBEM
Medical Devices & Instrumentation (Minor)	EMDM
Tissue & Stem Cell Engineering (Minor)	ETSM

Program/Degree Option	Code
<b>College of Engineering - Continued</b>	
<i>Chemical Engineering</i>	
<b>Chemical Engineering</b> (BS) (MS) (PhD)	ECM
Engineering Enterprise (Conc)	ECME
Mineral Processing (Minor)	CMMP
Polymer Science and Engineering (Minor)	ECMM
<i>Civil and Environmental Engineering</i>	
<b>Civil Engineering</b> (BS) (MS) (PhD)	ECE
Engineering Enterprise (Conc)	ECEE
<b>Environmental Engineering</b> (BS) (MS)	EEN
Engineering Enterprise (Conc)	EENE
<b>Surveying Engineering</b> (BS)	TSE
<b>Environmental Engineering Science</b> (MS)	EENS
<b>Integrated Geospatial Technology</b> (MS)	TGT
Municipal Engineering (Minor)	ECEM
Rail Transportation (Minor)	ECRM
Surveying (Minor)	TSUM

### Electrical and Computer Engineering

<b>Computer Engineering</b> (BS) (MS) (PhD)	ECP
Computer Engineering Enterprise (Conc)	ECPE
<b>Electrical Engineering</b> (BS) (MS) (PhD)	EEE
Biomedical Applications (Conc)	EEEB
Electric Power Engineering (Conc)	EEEW
Engineering Enterprise (Conc)	EEEE
Environmental Applications (Conc)	EEEV
Photonics (Conc)	EEEP
Electrical Engineering (Minor)	EEEM
<b>Electric Power Engineering</b> (Certificate)	CEPE
<b>Advanced Electric Power Engineering</b> (GR Certificate)	CAEP

### Engineering Fundamentals

<b>Engineering</b> (BS)	EBS
Systems Engineering (Minor)	ESEM

### Geological and Mining Engineering and Sciences

<b>Applied Geophysics</b> (BS)	EAG
<b>Geological Engineering</b> (BS) (MS) (PhD)	EGE
Engineering Enterprise (Conc)	EGEE
<b>Geology</b> (BS) (MS) (PhD)	EGL
<b>Geophysics</b> (MS) (PhD)	EGP
<b>Mining Engineering</b> (BS)(MS) (PhD)	EMG
Applied Geophysics (Minor)	EAGM
Earth Sciences (Minor)	EGLM
Geological Engineering (Minor)	EGEM
Mining (Minor)	EMGM

### Manufacturing and Mechanical Engineering Technology

<b>Mechanical Engineering Technology</b> (BS)	TMET
Manufacturing Systems (Minor)	EMSM

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Program/Degree Option Code

**College of Engineering - Continued**

*Materials Science and Engineering*

<b>Materials Science and Engineering</b> (BS) (MS) (PhD)	EMSE
Engineering Enterprise (Conc)	MSEE
Electronic Materials (Minor)	MSEM
Structural Materials (Minor)	MSSM

*Mechanical Engineering – Engineering Mechanics*

<b>Mechanical Engineering</b> (BS) (MS)	EME
Engineering Enterprise (Conc)	EMEE
<b>Engineering Mechanics</b> (MS)	EEM
<b>Mechanical Engineering-Engineering Mechanics</b> (PhD)	MEEM
Aerospace Engineering (Minor)	EMAE
Manufacturing (Minor)	EMMF
Naval Systems Engineering (Minor)	EMNS

**School of Forest Resources and Environmental Science**

<b>Applied Ecology and Environmental Sciences</b> (BS)	FES
<b>Forestry</b> (BS) (MS)	FFR
<b>Natural Resources Management</b> (BS)	FNRM
<b>Wildlife Ecology and Conservation</b> (BS)	FWEC
<b>Applied Ecology</b> (MS)	FAE
<b>Forest Ecology and Management</b> (MS)	FFEM
<b>Forest Molecular Genetics and Biotechnology</b> (MS) (PhD)	FMGB
<b>Forest Science</b> (PhD)	FFS
<b>Master of Forestry</b> (MF)	FMF
<b>Master of Geographic Information Science</b> (MGIS)	FGIS
Sustainable Biomaterials (Minor)	FSBM

**College of Sciences and Arts**

<b>General Sciences and Arts</b>	SGSA
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*Aerospace Studies (Air Force ROTC)*

Aerospace Studies (Minor)	AFAS
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*Military Science (Army ROTC)*

Military Arts and Science (Minor)	AMAS
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*Biological Sciences*

<b>Biochemistry and Molecular Biology</b> (BS)	SMBB
<b>Bioinformatics</b> (BS)	SBI
<b>Biological Sciences*</b> (BS) (MS) (PhD)	SBL
Ecology (Conc)	SBL3
General Biology (Conc)	SBL1
Pre-professional (Conc)	SBL5
<b>Medical Laboratory Science*</b> (BS)	SML
3+1 Medical Laboratory Science (Conc)	SML8
4+1 Medical Laboratory Science (Conc)	SML9
3+1 Cytotechnology (Conc)	SML4
4+1 Cytotechnology (Conc)	SML6
4+1 Histotechnology (Conc)	SML7
Biochemistry (Minor)	BLBC
Biological Sciences (Minor)	SBLM
Cellular or Genetic Track	BLGT
Organismal Track	BLOT
Fish Biology (Minor)	BLFB
Microbiology (Minor)	BLMB

Program/Degree Option Code

**College of Science and Arts - Continued**

*Chemistry*

<b>Biochemistry and Molecular Biology</b> (BS)	SMBC
<b>Cheminformatics</b> (BS)	SCHI
<b>Chemistry</b> (BS) (MS) (PhD)	SCH
Biochemistry (Conc)	SCH2
Chemical Physics (Conc)	SCH4
Environmental (Conc)	SCH5
Polymers (Conc)	SCH1
<b>Pharmaceutical Chemistry</b> (BS)	SCHP
Chemistry (Minor)	SCHM
Pharmaceutical Chemistry (Minor)	CHPM

*Cognitive and Learning Sciences*

<b>Psychology</b> (BS)	SPSY
<b>Applied Cognitive Science and Human Factors</b> (MS) (PhD)	SACS
<b>Applied Science Education</b> (MS)	SASE
Psychology (Minor)	PSYM
<b>Post-Secondary STEM Education</b> (GR Certificate)	CPSE

*Humanities*

<b>Humanities</b> (ASC)	SAH
<b>Communication, Culture, and Media</b> (BA)	SCCM
<b>English</b> (BA)	SEN
<b>Liberal Arts</b> (BA)	SHU
<b>Scientific and Technical Communication</b> (BA)	STA
<b>Scientific and Technical Communication</b> (BS)	STC
<b>Rhetoric, Theory and Culture</b> (MS) (PhD)	SRTC
Bioethics (Minor)	HUB
Communication Studies (Minor)	HUCS
Diversity Studies (Minor)	HUDS
Ethics and Philosophy (Minor)	HUEP
French (Minor)	HUF
French International (Minor)	HUIF
German (Minor)	HUG
German International (Minor)	HUIG
Journalism (Minor)	HUJN
Media Production (Minor)	HUME
Spanish (Minor)	HUS
Spanish International (Minor)	HUIS
Writing (Minor)	HUW

*Kinesiology and Integrative Physiology*

<b>Exercise Science</b> (BS)	SESC
<b>Sports and Fitness Management</b> (BS)	SSFM
<b>Integrative Physiology</b> (PhD)	SKIP
<b>Kinesiology</b> (MS)	SKIN
Coaching Fundamentals (Minor)	PECF
<b>Coaching Endorsement</b> (Certificate)	CCE

*Mathematical Sciences*

<b>Mathematics*</b> (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
Statistics (Conc)	SMA3
<b>Statistics</b> (BS) (MS) (PhD)	SST

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<b>College of Sciences and Arts - Continued</b>	

<b>Applied Statistics</b> (MS)	SAST
<b>Mathematical Sciences</b> (MS) (PhD)	SMAG
<b>Mathematical Sciences</b> (Minor)	SMAM
<b>Statistics</b> (Minor)	SSTM
<b>Actuarial Science</b> (Certificate)	CASC
<b>Business Analytics</b> (Certificate)	CBA

*Physics*

<b>Applied Physics</b> (BS) (MS) (PhD)	SAP
<b>Physics</b> (BA)	SPA
<b>Physics</b> (BS) (MS) (PhD)	SPH
<b>Astrophysics</b> (Minor)	SPHA
<b>Physics</b> (Minor)	SPHM

*Social Sciences*

<b>Anthropology</b> (BS)	SANT
<b>History</b> (BA)	SSH
<b>Social Sciences</b> (BS)	SSS
Law and Society (Conc)	SSS4
<b>Sustainability Science and Society</b> (BS)	SSSU
<b>Environmental and Energy Policy</b> (MS) (PhD)	SEEP
<b>Industrial Archaeology</b> (MS)	SSM
<b>Industrial Heritage and Archaeology</b> (PhD)	SIHA
<b>American Studies</b> (Minor)	SSAS
<b>Environmental Studies</b> (Minor)	SSES
<b>Historical Studies</b> (Minor)	SSHs
<b>International Studies</b> (Minor)	SSIS
<b>Law and Society</b> (Minor)	SSLS
<b>Social and Behavioral Studies</b> (Minor)	SSBH

*Visual and Performing Arts*

<b>Audio Production and Technology</b> (BS)	SFAT
<b>Sound Design</b> (BA)	SFSD
<b>Theatre and Electronic Media Performance</b> (BA)	SEMP
<b>Theatre and Entertainment Technology</b> (BS)	SFET
<b>Art</b> (Minor)	FAAR
<b>Music</b> (Minor)	FAMU
General Music Focus	MUGM
Music Technology Focus	MUMT
Jazz Idiom Focus	MUJI
<b>Music Composition</b> (Minor)	FAMC
<b>Music Performance</b> (Minor)	FAMP
<b>Technical Theater</b> (Minor)	FATT
<b>Theater Arts</b> (Minor)	FATA

**Interdisciplinary Programs – Administering Department(s)**

<b>Construction Management</b> (BS) – SBE/CEE	TCMG
<b>Atmospheric Sciences</b> (PhD) – Grad School	IAS
<b>Biochemistry and Molecular Biology</b> (PhD) – Grad School	IBMB
<b>Data Science</b> (MS) – Grad School	IDS
<b>Engineering</b> (PhD) – Grad School	EPD
<b>Engineering-Computational Science and Engineering</b> (PhD) – Grad School	EPD5
<b>Engineering-Environmental Engineering</b> (PhD) – Grad School	EPD2
<b>Master of Engineering</b> (MEG) – Grad School	EGR
<b>Mechatronics</b> (MS) – CMH Division	IME
<b>Alternative Energy Technology</b> (Minor) – Chem Eng	IMAE
<b>Bioprocess Engineering</b> (Minor) – Bio Sci/Chem Eng	IMBE
<b>Ecology</b> (Minor) – Bio Sci/SFRES	IMEC
<b>Nanoscale Science and Engineering</b> (Minor) – Physics	IMNT
<b>Plant Biotechnology</b> (Minor) – Bio Sci/SFRES	IMPB
<b>Plant Sciences</b> (Minor) – Bio Sci/SFRES	IMPS

Program/Degree Option	Code
<b>Interdisciplinary Programs - Continued</b>	

<b>Automotive Systems and Controls</b> (GR Certificate) – Grad School	IASC
<b>Data Science</b> (GR Certificate) – Grad School	IDSC
<b>Hybrid Electric Drive Vehicle Engineering</b> (GR Certificate) – Grad School	CHEV
<b>Mechatronics</b> (GR Certificate) – Grad School	CMEC
<b>Safety and Security of Autonomous Cyber-Physical Systems</b> (GR Certificate) – Grad School	ISSC
<b>Sustainability</b> (GR Certificate) – Sustainable Futures Institute/ Grad School	IGCS
<b>Sustainable Water Resources Systems</b> (GR Certificate) – Grad School	ICSW

**Pavlis Honors College**

<b>Enterprise</b> (Minor)	ENTM
<b>Global Community Development Partnerships</b> (Minor)	IMGC
<b>Leadership</b> (Minor)	IMLE

**Administrative Major Codes**

<b>English as a Second Language</b>	IESL
<b>Non-Degree Seeking</b> (Undergraduate level)	NDS
<b>Post-Degree Studies</b>	PDS
<b>Non-Degree Seeking</b> (Graduate level)	NDG