DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY SIGNAL SCHOOL
417 22ND STREET
FORT GORDON GEORGIA 30905-5719

REPLY TO
ATTENTION OF

ATSO-OCO (621)   1 October 2022

MEMORANDUM THRU Signal Branch (AHRC-OPB-S), United States Army Human Resources Command, 1600 Spearhead Division Avenue, Fort Knox, KY 40121

FOR Rentenion Branch (AHRC-OPL-R), United States Army Human Resources Command, 1600 Spearhead Division Avenue, Fort Knox, KY 40121

SUBJECT: Accepted List of Science, Technology, Engineer, or Mathematics (STEM) Field of Studies for Functional Area (FA) 26

1. References:

  a. DA PAM 600-3, Officer Professional Development and Career Management
  b. DA PAM 621-11, Military Occupational Classification and Structure
  c. The National Center for Education Statistices (NCES) Classification of Instructional Programs (CIP) located at
  https://nces.ed.gov/ipeds/cipcode/default.aspx?y=56

2. This STEM designated degree program list what the Office, Chief of Signal considers to be science, technology, engineering, or mathematics (STEM) field of studies for purposes of acceptance into the branch of FA26. According to DA PAM 600-3, a STEM field of study is a field of study included in the Department of Education's Classification of Instructional Programs (CIP) taxonomy within the two-digit series containing biological or bio medical science, science technologies or technicians, computer and information science support services, mathematics or statistics, engineering, engineering technologies, or a related field. In general, related fields will include fields involving research, innovation, or development of new technologies using engineering, mathematics, computer science, or management.

3. This list also includes CIPs from the following 14 related CIP series at the 6-digit CIP code level:

  a. Computer and Information Sciences and Support Services (11)
  b. Education (13)
  c. Engineering (14)
  d. Engineering Technologies and Engineering-Related Fields (15)
  e. Biological and Biomedical Sciences (26)
  f. Mathematics and Statistics (27)
  g. Military Technologies and Applied Sciences (29)
  h. Multi/Interdisciplinary Studies (30)

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     i.   Physical Sciences (40)
    j.   Forensics (43)
    k. Social Sciences (45)
    l.   Mechanic and Repair Technologies/Technicians (47)
   m. Health Professions and Related Programs (51)
   n. Business, Management, Marketing and Related Support Services (52)

4.   Reference enclosure for the approved list of field of study for FA26. For any field of study listed without a TOPMIS Major Subject of Advanced Education (MSAE) code, individuals will have their local S1 request a code created in TOPMIS to reflect the accurate degree title listed on their transcript to their ORB.

5.   Other STEM field of studies will be subject to approval through the FA26 Accession Board.

6.   This list will be reviewed annually to reflect changes within the Department of Education's Classification of Instructional Programs.

7.   Point of contact is the Office Chief of Signal – Officer Division at usarmy.gordon.cyber-coe.mbx.sigcoocosod-mailbox@army.mil

Encl   WILFREDO NORAT
                                                 Chief, Office Chief of Signal

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ENCLOSURE - List of Approved STEM Field of Study

1. FA26 comprehensive STEM fields of study listing are as follows:

CIP 2-Digit Code	2020 CIP Code	TOPMIS MSAE Code	CIP Code Title
11	11.0100	No Code	Computer and Information Sciences, General
11	11.0102	CUD	Artificial Intelligence
11	11.0103	ITY	Information Technology
11	11.0104	JQC	Informatics
11	11.0202	No Code	Computer Programming, Specific Applications
11	11.0200	No Code	Computer Programming
11	11.0204	No Code	Computer Game Programming
11	11.0205	No Code	Computer Programming, Specific Platforms
11	11.0300	BAN	Data Processing
11	11.0401	No Code	Information Science/Studies
11	11.0501	No Code	Computer Systems Analysis/Analyst
11	11.0701	CUE	Computer Science
11	11.0802	No Code	Data Modeling/Warehousing and Database Administration
11	11.0301	CUA	Data Processing and Data Processing Technology/Technician
11	11.0804	No Code	Modeling, Virtual Environments and Simulation
11	11.0901	No Code	Computer Systems Networking and Telecommunications
11	11.0902	No Code	Cloud Computing
11	11.1000	No Code	Computer/Information Technology Administration and Management
11	11.0000	No Code	Computer and Information Sciences and Support Services
11	11.1001	No Code	Network and System Administration/Administrator
11	11.1002	No Code	System, Networking, and LAN/WAN Management/Manager
11	11.1003	UKL	Computer and Information Systems Security/Auditing/Information Assurance
11	11.1005	BCR	Information Technology Project Management
11	11.1006	No Code	Computer Support Specialist
11	11.1099	No Code	Computer/Information Technology Services Administration and Management, Other
13	13.0603	No Code	Educational Statistics and Research Methods
14	14.0101	CXX	Engineering, General
14	14.0103	No Code	Applied Engineering

14	14.0201	AAC	Aerospace, Aeronautical, and Astronautical/Space Engineering, General
14	14.0202	CFZ	Astronautical Engineering
14	15.0201	CCX	Civil Engineering, General
14	14.0900	CUN	Computer Engineering
14	14.0902	CUI	Computer Hardware Engineering
14	14.0903	CUG	Computer Software Engineering
14	14.1000	No Code	Electrical, Electronics, and Communication Engineering
14	14.1001	EEO	Electrical and Electronics Engineering
14	14.1003	No Code	Laser and Optical Engineering
14	14.1004	No Code	Telecommunications Engineering
14	14.1200	CSX	Engineering Physics
14	14.1201	CSX	Engineering Physics/Applied Physics
14	14.1301	No Code	Engineering Science
14	14.2701	CUX	Systems Engineering
14	14.3701	CUC	Operations Research
14	14.4101	No Code	Electromechanical Engineering
14	14.1901	CKX	Mechanical Engineering
14	14.4201	No Code	Mechatronics, Robotics, and Automation Engineering
14	14.4701	ECE	Electrical and Computer Engineering
14	14.0701	CEX	Chemical Engineering
14	14.0702	No Code	Chemical and Biomolecular Engineering
14	14.3501	CYX	Industrial Engineering
14	14.2301	CLF	Nuclear Engineering
14	14.2401	No Code	Ocean Engineering
15	15.0615	CEX	Chemical Engineering Technology/Technician
15	15.0000	CUI	Engineering Technologies/Technicians, General
15	15.0001	No Code	Applied Engineering Technologies/Technicians
15	15.0201	CCX	Civil Engineering Technologies/Technicians
15	15.0303	No Code	Electrical, Electronic, and Communications Engineering Technology/Technican
15	15.0305	No Code	Telecommunications Technology/Technician
15	15.0306	No Code	Integrated Circuit Design Technology/Technician
15	15.0399	EET	Electrical/Electronic Engineering Technologies/Technicians, Other
15	15.0406	No Code	Automation Engineer Technology/Technician
15	15.1201	CUN	Computer Engineering Technology/Technician
15	15.1202	No Code	Computer/Computer Systems Technology/Technician
15	15.1203	No Code	Computer Hardware Technology/Technician
15	15.1204	No Code	Computer Software Technology/Technician
15	15.1299	CUN	Computer Engineering Technologies/Technicians, Other
15	15.1302	No Code	CAD/CADD Drafting and/or Design Technology/Technician

15	15.1601	No Code	Nanotechnology
15	15.1399	No Code	Drafting/Design Engineering Technologies/Technicians, Other
26	26.1199	No Code	Biomathematics, Bioinformatics, and Computational Biology, Other
26	26.1103	No Code	Bioinformatics
26	26.1102	BIS	Biostatistics
26	26.1104	No Code	Computational Biology
27	27.0101	DHX	Mathematics, General
27	27.0102	No Code	Algebra and Number Theory
27	27.0103	No Code	Analysis and Functional Analysis
27	27.0301	DHD	Applied Mathematics, General
27	30.3001	No Code	Computational Mathematics
27	27.0304	No Code	Computational and Applied Mathematics
27	27.0306	No Code	Mathematical Biology
27	27.0501	DHA	Statistics, General
27	27.0502	No Code	Mathematical Statistics and Probability
27	27.0503	No Code	Mathematics and Statistics
27	27.0601	No Code	Applied Statistics, General
27	52.1399	MGS	Management Sciences and Quantitative Methods, Other
27	27.0305	No Code	Financial Mathematics
29	29.0204	No Code	Command & Control (C3, C4I) Systems and Operations
29	29.0205	BCQ	Information Operations/Joint Information Operations
29	29.0207	No Code	Cyber/Electronic Operations and Warfare
29	29.0301	No Code	Combat Systems Engineering
29	29.0304	No Code	Low-Observables and Stealth Technology
29	29.0405	No Code	Joint Command/Task Force (C3, C4I) Systems
29	29.0406	No Code	Military Information Systems Technology
29	29.0499	No Code	Military Systems and Maintenance Technology, Other
30	30.7102	BUA	Business Analytics
30	30.0601	No Code	Systems Science and Theory
30	30.0801	No Code	Mathematics and Computer Science
30	30.7000	ADS	Data Science
30	30.7103	No Code	Data Visualization
30	30.7100	No Code	Data Analytics
30	30.3901	No Code	Economics and Computer Science
30	30.3001	No Code	Computational Science
30	30.7104	No Code	Financial Analytics
30	30.4901	No Code	Mathematical Economics
40	40.0512	No Code	Cheminformatics/Chemistry Informatics
40	40.0801	DLX	Physics, General
40	40.0810	No Code	Theoretical and Mathematical Physics

43	43.0116	No Code	Cyber/Computer Forensics and Counterterrorism
43	43.0404	CSP	Cybersecurity Defense Strategy/Policy
45	45.0603	No Code	Econometrics and Quantitative Economics
47	47.0103	No Code	Communications Systems Installation and Repair Technology/Technician
47	47.0104	No Code	Computer Installation and Repair Technology/Technician
47	47.0101	No Code	Electrical/Electronics Equipment Installation and Repair Technology/Technician, General
51	51.2706	No Code	Medical Informatics
52	30.7102	No Code	Business Statistics
52	52.1206	IRM	Information Resources Management
52	52.1207	No Code	Knowledge Management
52	52.1201	MIS	Management Information Systems, General
52	52.1299	MIS	Management Information Systems and Services, Other
52	52.2101	BBT	Telecommunications Management