Department of Computer Engineering Technology – Advisement Sheet, 2025
Only for Students Who Enrolled Spring 2025 or After (CUNY Pathway)

Student Name: Student ID: Major: [ ] CET-AAS [ ] CET-BT

Semester	Code	Course Title	Prerequisite (Pre.) or Corequisite (Co.)	Credits	Completed/ Will enroll
		Computer Engineering Technology Degree (A.A.S. Requirements) (Require following pre/co requisites sequence to take courses)		**Degree Credits: 64 or 65**	
1st	**CET 1100**	Intro to Computer and Software Engineering	**Pre/Co:** None	2	
	CET 1111	Logic and Problem Solving (co: CET 1111L)	**Pre/Co:** CET 1100	3	
	CET 1120	Technical Graphics	**Pre/Co:** None	1	
	CET 1150	Fundamentals of Electrical Circuit (co: CET 1150L)	**Pre/Co:** MAT 1275CO or MAT 1275 or higher	3	
2nd	**CET 1211**	Intro to Object Oriented Programming in Software Design	**Pre:** CET 1111 **Pre/Co:** MAT 1275CO or MAT 1275 or higher	2	
	CET 1250	Fundamentals of Digital Systems (co: CET 1250L)	**Pre:** CET 1150	4	
3rd	**CET 2312**	Reverse Engineering/Product Design (co: CET 2312L)	**Pre:** CET 1120 **Pre/Co:** PHYS 1433 or PHYS 1441	4	
	CET 2350	Electronics (co: CET 2350L)	**Pre/Co:** CET 1250, MAT 1375 or higher (WI*)	4	
	CET 2370	Computer Hardware	**Pre:** CET 1250	2	
	CET 2390	Operating Systems Laboratory	**Pre/Co:** CET 2370	1	
4th	**CET 2450**	Introduction to Microcontrollers	**Pre:** CET 2350	3	
	CET 2455	Data Communications	**Pre:** CET 2370	2	
	CET 2461	Computer Systems: Software Interface	**Pre/Co:** CET 2455, MAT 1475 or higher	2	
	Choose 1	**Technical Elective:** CET 2411 C/C++ Programing for Embedded Systems (**Pre/Co:** CET 2370 or Dept. approval) or CST 2403 Intro C++ Programming (**Pre/Co**: CET 1111 and MAT 1275 or higher) or CET 2901 Internship (**Pre:** CET 2370 and Dept. approval)		3	
			Subtotal CET AAS Program Degree Major Required Credits	36	

Semester	General Education Required and Flexible Core:			Credits	Completed/ Will enroll
1st	**ENG 1101**	English Composition I (**Pre**: CUNY read, write proficiency)		3	
1st	**MAT 1275CO or MAT 1275**	College Algebra and Trigonometry (or higher)	(Mathematical and Quantitative Reasoning)	4	
2nd	**ENG 1121**	English Composition II	**Pre:** ENG1101	3	
2nd	**MAT 1375**	Precalculus (or higher)	**Pre:** MAT 1275CO or MAT 1275 or math placement for MAT 1375 (Scientific World)	4	
3nd	**PHYS 1433 or PHYS 1441**	**PHYS 1433** General Physics I Algebra-based	**Pre:** MAT1275CO or MAT1275 or higher; OR **Co:** MAT1275 (Life and Physical Sciences and WI*)	4 or 5	
		PHYS 1441 General Physics I Calculus based	**Pre/Co:** MAT 1475 or higher (Life and Physical Sciences and WI*)		
4rd	**MAT 1475**	Calculus I	**Pre:** MAT 1375 or math placement for MAT1475 (Scientific World)	4	

Only for Students Who Enrolled Summer 2013 or After. *For complete list of courses, reference College Catalog and Degree Audit and Pathway Website:* ***https://www.citytech.cuny.edu/advisement/***

	Choose 2 (GenEd Elective)	Select one approved course from each of any two areas **(No more than two courses may be selected from any category)** (*DegreeWorks or Academic advising website for WI Section(s)*)	**Individual and Society:** AFR2000, AFR2250, ARTH2101, COM1335, COM2402, COM3401, ECON1401, ENG1151, ENG1161, ENG1773, ENG2000, ENG2150, ENG2420, ENG3401, ENG3402, ENG3403, ENG3404, LIB1201, PHIL2101, PHIL2103, PHIL2104, PHIL2106, PHIL2107, PHIL2203, PHIL3208, PHIL3211, PHIL3212, PHIL3400, PSY1101,PSY2300, PSY2301, PSY2302, PSY2303, PSY2401, PSY2402, PSY2403, PSY2404, PSY3405, SOC1101, SOC1102, SOC1103, SOC2201, SOC2401, SOC2403, SOC3302, SOC3402, etc.	6	
2rd			**World Cultures and Global Issues:** AFR1130, AFR1401, AFR1460, AFR1461, AFR1462, AFR1467, AFR 2212, AFR2222, AFR2612, ANTH1101, ANTH1102, ANTH1103, ARB1101, ARB1102, ARB2201, ARTH1101, ARTH1102, ARTH1103, ARTH1106, ARTH1108, ARTH1110, ARTH3401, CHN1101, CHIN1102, COM2401, ECON2505, ENG2100, ENG2101, ENG2160, ENG2300, ENG2301, ENG2301, FREN1101, FREN1102, HIS1101, HIS1102, HIS1103, HIS1501, HIS1503, HIS2000, LNG1100, MUS1212, PHIL2121, PRS1461, PRS2202, PRS2211, SOC3301, SPA1101, SPA1102,SPA1301, SPA2201, SPA2202, etc.		
4th			**US Experience in its Diversity:** AFR1465, AFR1466, AFR1501, AFR1502, AFR2201, AFR2202, AFR3000, ARCH3522, ARTH1104, ECON1101, ECON2403, ENG2180, ENG2190, ENG2190, ENG2200, ENG2201, ENG2250, GOV1101, GOV1102, GOV2402, HIS1110, HIS1111, HIS2405, HIS3208, HIS3209, HIS3310, PRS2501, SOC1104, etc.		
			Creative Expression: AFR1301, AFR1304, AFR1311, AFR1321, AFR1503, AFR2302, ARCH2321, ARTH1100, ARTH1112, ARTH3311, COM1340, ENG1141, ENG2001, ENG2002, ENG2003, ENG2170, ENG2400, ENG3407, MUS1210, MUS1211, MUS2206, MUS2207, THE2180, THE2280, THE2380, THE3280, etc.		
			Subtotal Core Required Credits for CET AAS	28 or 29	

WI*: Check *DegreeWorks or Academic advising website for **writing intensive Section(s)** https://www.citytech.cuny.edu/advisement/gen-ed.aspx*
Must complete two courses designated WI (writing intensive) for the associate level, one from general education requirements (GenEd) and one from the major

Student Name: **Student ID:**   **Major: [   ] CET-BT**

Semester	Code	Course Title	Prerequisite (Pre.) or Corequisite (Co.)	Credits	Completed/ Will enroll
		Computer Engineering Technology Degree (Bachelor of Tech Requirements)		**Degree Credits: 64-66**	
		Associate Degree (CET, EET/TCET or MECH) or Acceptable Equivalent		64- 65 credits (AAS)	
5th	**CET 3510**	Microcomputer Systems Technology (Co: CET 3510L)	**Pre:** previous course in digital electronics **Pre/Co:** CET 2411 or CST 2403, MAT 1575 or higher;	4	
	CET 3525	Electrical Networks (Co: CET 3525L) *(Required only for students with AAS in CET or MECH)*	**Pre/Co:** MAT 1575 or higher, Pre: CET 2350	4	
	MAT 1575	Calculus II	**Pre:** MAT 1475	4	
	CET 3550	*Analog and Digital Electronics (Co: CET 3550L) (Required only for students with AAS in MECH)*	*Pre/Co: MAT 1575 or higher, CET 3525*	*(4)*	
6th	**CET 3615**	Instrumentation and Data Acquisition (Co: CET 3615L)	**Pre**: MAT 1575 or higher, CET 3525, PHYS 1434 or PHYS 1442	4	
	CET 3625	Applied Analysis Laboratory (a minimum grade of 'C' is required for graduation)	**Pre/Co:** MAT 2680, Pre: CET 3525	1	
	CET 3640	Software for Computer Control	**Pre :** CET 2411 or CST 2403, CET 3510	3	
	MAT 2680	Differential Equations	**Pre:** MAT 1575	3	
7th	**CET 4705**	Component and Subsystem Design	**Pre**: CET 3625 with a grade of C or higher, previous course(s) in analog and digital electronics	2	
	CET 4711	Computer Controlled System Design	**Pre/Co:** CET 3640, CET 4705	2	
	CET 4773	Inter-networking Technology	**Pre**: CET 3510 (WI*)	4	
	CET 4762	*Electromechanical Devices (Co: CET 4762L) (Required only of students with AAS in EET/TCET)*	*Pre: CET 3615, CET 3625 with grades of C or higher*	*(4)*	
8th	**CET 4805**	Digital System Design Using HDL	**Pre**: CET 4705	2	
	CET 4811	Capstone Design Project	**Pre:** CET 3640, CET 4711; **Pre/Co:** CET 4773, CET 4805, CET 4864	2	
	CET 4864	Principles of Feedback Control Systems	**Pre**: CET 3625, MAT 2580 (WI*)	4	
7th	**Technical Elective I**	**Choose 1:** (Required only for students with AAS in CET, EET/TCET): 4cr CET 4900 Series (CET 4915 (4cr), CET 4920 (4cr), CET 4952 (4cr), CET 4960 (4cr), CET 4962 (4cr), etc.), 4cr CST 3500 Series or higher, or 4cr TCET 3100 series or higher		4	
8th	**Technical Elective II**	**Choose 1:** Internship CET 4900 (3cr) (with Dept permission) or CET 4900 Series (CET 4910 (3cr), CET 4925 (3cr), CET 4935 (3cr), CET 4973 (3cr), CET 4915 (4cr), CET 4920 (4cr), CET 4952 (4cr), CET 4960 (4cr), CET 4962 (4cr), etc.), CET 3910 (3cr), CST 3500 Series or higher, or TCET 3100 Series or higher (*Note: Tech Elect only for students with an AAS in MECH: CST2403 or CET 2411*)		3	
			Subtotal CEB Level Credits	**46**	

General Education Required Core in the areas of *English Composition, Mathematical and Quantitative Reasoning, Life and Physical Sciences* (taken at associate level)

Semester	General Education Electives and College Option including Interdisciplinary Course				
5th	**PHYS 1434** (General Physics II Algebra-based, 4cr, WI*) or PHYS 1442(5cr, WI*) or Liberal Arts Elective (3cr) (College Option)				3 or 4 or 5
6th	**COM 1330** Public Speaking or higher (College Option)		**Pre:** CUNY read, write proficiency		3
7th	**MAT 2580** Introduction to Linear Algebra (College Option)		**Pre/Co:** MAT 1575		3
8th	Interdisciplinary (ID) (College Option)	AFR3000ID, AFR3001ID, ARTH 2101ID, COM2403ID, CST1102ID, ECON2505ID, ECON2820ID, ENG2170ID, ESCI2000ID, HIS3402ID, HIS3209ID, LIB2205ID, ARCH2205ID, PHIL2202ID, PHIL2203ID, PHYS1002ID, PHYS1010ID, PHYS2443ID, PHYS3600ID, SBS2000ID, SOC2401ID, SOC3302ID, SOC2380ID, THE2280ID, etc			3

Only for Students Who Enrolled Summer 2013 or After.   *For complete list of courses, reference College Catalog and Degree Audit and Pathway Website:* ***https://www.citytech.cuny.edu/advisement/***

6th / 7th	**Choose 2** (GenEd Elective)	Select one approved course from each of any two areas **(choose the areas that have not been taken at associate level)**. (No more than two courses may be selected from any category) (more options available on *DegreeWorks or Academic advising website for WI Section(s)*)	**Individual and Society:** AFR2000, AFR2250, ARTH2101, COM1335, COM2402, COM3401, ECON1401, ENG1151, ENG1161, ENG1773, ENG2000, ENG2150, ENG2420, ENG3401, ENG3402, ENG3403, ENG3404, LIB1201, PHIL2101, PHIL2103, PHIL2104, PHIL2106, PHIL2107, PHIL2203, PHIL3208, PHIL3211, PHIL3212, PHIL3400, PSY1101,PSY2300, PSY2301, PSY2302, PSY2303, PSY2401, PSY2402, PSY2403, PSY2404, PSY3405, SOC1101, SOC1102, SOC1103, SOC2201, SOC2401, SOC2403, SOC3302, SOC3402, etc.	6	
			World Cultures and Global Issues: AFR1130, AFR1401, AFR1460, AFR1461, AFR1462, AFR1467, AFR2212, AFR2222, AFR2612, ANTH1101, ANTH1102, ANTH1103, ARB1101, ARB1102, ARB2201, ARTH1101, ARTH1102, ARTH1103, ARTH1106, ARTH1108, ARTH1110, ARTH3401, CHN1101, CHIN1102, COM2401, ECON2505, ENG2100, ENG2101, ENG2160, ENG2300, ENG2301, ENG2301, FREN1101, FREN1102, HIS1101, HIS1102, HIS1103, HIS1501, HIS1503, HIS2000, LNG1100, MUS1212, PHIL2121, PRS1461, PRS2202, PRS2211, SOC3301, SPA1101, SPA1102, SPA1301, SPA2201, SPA2202, etc.		
			US Experience in its Diversity: AFR1465, AFR1466, AFR1501, AFR1502, AFR2201, AFR2202, AFR3000, ARCH3522, ARTH1104, ECON1101, ECON2403, ENG2180, ENG2190, ENG2190, ENG2200, ENG2201, ENG2250, GOV1101, GOV1102, GOV2402, HIS1110, HIS1111, HIS2405, HIS3208, HIS3209, HIS3310, PRS2501, SOC1104, etc.		
			Creative Expression: AFR1301, AFR1304, AFR1311, AFR1321, AFR1503, AFR2302, ARCH2321, ARTH1100, ARTH1112, ARTH3311, COM1340, ENG1141, ENG2001, ENG2002, ENG2003, ENG2170, ENG2400, ENG3407, MUS1210, MUS1211, MUS2206, MUS2207, THE2180, THE2280, THE2380, THE3280, etc.		
			Subtotal GenEd Core Credits	**18-20**	

WI*: Must complete two additional courses designated WI (writing intensive) for the baccalaureate level, one from GenEd and one from the major, 4 courses (WI) in total. *Website for **writing intensive Section(s)**:* https://www.citytech.cuny.edu/advisement/gen-ed.aspx