Proposed Curriculum Outline

AAS - Semiconductor Manufacturing Technology CIP 15.0306
60 credit hours

FIRST YEAR

First Semester			Lec	Lab	Ext	Cont	Credit
CETT	1303	DC Circuits	2	3	0	80	3
CETT	1325	Digital Fundamentals	2	3	0	80	3
ENGL	*1301*	*Composition I*	3	1	0	64	3
ENGR	1201	Introduction to Engineering	1	3	0	64	2
MATH	*1314*	*College Algebra* [1]	3	1	0	64	3
		Total Hours	11	11	0	352	14

Second Semester			Lec	Lab	Ext	Cont	Credit
CETT	1305	AC Circuits	2	3	0	80	3
DFTG	1372	SOLIDWORKS Essentials	2	2	0	64	3
MATH	1316	Plane Trigonometry	3	0	0	48	3
PHYS	1401	College Physics I	3	3	0	96	4
Elective*			3	1	0	64	3
		Total Hours	13	9	0	352	16

SUMMER			Lec	Lab	Ext	Cont	Credit
ECON	*1301*	*Introduction to Economics* [2]	3	0	0	48	3
SPCH	*1311*	*Introduction to Speech Communication* [3]	3	0	0	48	3
		Total Hours	6	0	0	96	6

SECOND YEAR

First Semester			Lec	Lab	Ext	Cont	Credit
CETT	1329	Solid State Devices	2	3	0	80	3
HUMA	*1301*	*Introduction to the Humanities* [4]	3	0	0	48	3
SMFT	1343	Semiconductor Manufacturing Technology	2	2	0	64	3
Elective*			3	1	0	64	3
		Total Hours	10	6	0	256	12

Second Semester			Lec	Lab	Ext	Cont	Credit
CETT	1357	Linear Integrated Circuits	2	3	0	80	3
CETT	2380	Cooperative Education - Computer Engineering Technology/Technician (Capstone)	1	0	20	336	3
Elective*			3	1	0	64	3
Elective*			3	1	0	64	3
		Total Hours	9	5	20	544	12
		GRAND TOTAL				***1600***	***60***

[1] May substitute MATH 1316, MATH 1324, MATH 1325, MATH 1332, MATH 1342, MATH 1350, MATH 1351, MATH 1414, MATH 2305, MATH 2312, MATH 2318, MATH 2320, MATH 2413, MATH 2414, MATH 2415, MATH 2417, or MATH 2419

[2] May substitute ANTH 2346, ANTH 2351, ECON 2301, ECON 2302, GOVT 2305, GOVT 2306, HIST 1301, HIST 1302, HIST 2301, PSYC 2301, or SOCI 1301

[3] May substitute SPCH 1315 or 1321

[4] May substitute ARTS 1301, ARTS 1303, ARTS 1304, ARTS 1313, DANC 2303, DRAM 1310, DRAM 2361, DRAM 2362, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, ENGL 2351, FREN 2303, FREN 2304, HIST 2311, HIST 2312, HIST 2321, HIST 2322, MUSI 1306, MUSI 1307, PHIL 1301, PHIL 1304, PHIL 2303, PHIL 2306, PHIL 2307, or PHIL 2321

[5] May take DANC 1101, DANC 1110, DANC 1111, DANC 1141, DANC 1142, DANC 1145, DANC 1146, DANC 1147, DANC 1148, DANC 1151, DANC 1152, DANC 2141, DANC 2142, DANC 2145, DANC 2146, DANC 2147, DANC 2148, DANC 2151, DANC 2152, PHED 1100, PHED 1102, PHED 1104, PHED 1106, PHED 1111, PHED 1112, PHED 1114, PHED 1115, PHED 1116, PHED 1117, PHED 1118, PHED 1120, PHED 1121, PHED 1123, PHED 1125, PHED 1126, PHED 1127, PHED 1129, PHED 1130, PHED 1131, PHED 1136, PHED 1137, PHED 1140, PHED 1147, or PHED 1148

* Electives (9 credit hours): RBTC 2345, or any CETT, CPMT, EECT, ENGR, or SMFT course not listed above, with approval of Program Director