

HCC Degree Name
TESU Degree Name

AAS Advanced Manufact
BS Technical Studies

Degree Requirements

Credit Requirements

I. General Education Requirements	45
A. Intellectual and Practical Skills	
i. Written Communications	6
ii. Oral Communications	3
iii. Quantitative Literacy	3
iv. Information Literacy / SOS 110: Critical Information Literacy	3
B. Civic and Global Learning	
i. Diversity	3
ii. Ethics	3
iii. Civic Engagement	3
C. Knowledge of Human Cultures	
Social Sciences	3
History	3
Humanities	3
Two Courses from the categories above	6
Scientific Knowledge	7
II. Area of Study: Technical Studies	45
Corollary Requirements	10
Statistics	
Chemistry or Physics II	
Higher Level Math Above College Algebra	
A. Technical Studies--Single Discipline	21
B. Technical Studies (12 credits 300 level or up)	18
C. Technical Core	6
III. Electives	19

TOTAL 120

Hudson County Community College

<u>HCC Course Code</u>	<u>Course Title</u>	<u>Credits</u>
ENG 101	College Composition I	3
ENG 112	Speech	3
MAT 100	College Algebra	3
ENG 211	Business Communication	3
ENG 103	Technical Report Writing	3
TBD	Humanities or Social Science Elective	3
CHP 111	College Chemistry I	4
SCI101	Intro to Physical Science	3
TBD	Science/Lab Science Elective (Recommend PHY113)	4
ADM 185	Fundamentals of Architectural Manufacturing	3
ADM 182	Wood Science	3
ADM 232	Welding	4
ADM256	CNC for woodworking	3
ADM 241	Manufacturing Design	3
ADM 201	Material Science	3
ADM 282	Machine Process in Architectural Woodwork	3
CSC118	Python Programming	3
SCM 101	Supply Chain Management Principles	3
CSS 100	College Student Success	1

HCCC TOTAL 60	
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GRAND TOTAL

TESU

<u>TESU Course</u>	<u>Course Title</u>	<u>Credits</u>
ENC-102	English Composition II	3
SOS-110	Critical Information Literacy	3
TBD	TESU Diversity	3
TBD	TESU Ethics	3
TBD	TESU Civic Engagement	3
TBD	TESU Social Science Elective	3
TBD	TESU History Elective	3
STA-201	Statistics	3
MAT-129	Precalculus	3
APS-302	Customer Service (no pre-req)	3
ELD-311	Microprocessors (no pre-req)	3
APS-400	Occupational Safety and Health(OSHA no pre-req)	3
APS-402	Applied Quality Management (no pre-req)	3
MAN-435	Project Management (Mandatory)	3
APS-401	Current Trends and Applications(Mandatory)	3

ELE-211	DC Circuits (pre-req: college algebra)	3
ELE-212	AC Circuits (pre-req: PreCal and ELE211)	3
CTR-212	Programmable Logical Controllers(no pre-req)	3
TBD	TESU Free Elective	6

TESU TOTAL	60
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120
