

2014-2015 Academic Year

Plan of Study for the Associate of Applied Science Degree in

Heavy Equipment Operation Technology

Datatel Program Code	HEO.AAS
COTC Major Number	003460
CIP Code	49.0202

The student who successfully completes the courses listed below on this Plan of Study will earn an Associate of Applied Science degree in Heavy Equipment Operation Technology

KEY: * Indicates this course has a prerequisite; please see the Course Description Section on the COTC Web Page

NT - Indicates this course fulfills a Non-Technical Course Requirement on this Plan of Study

NT Elec - Indicates Elective Choice in the Non-Technical course requirement category

T - Indicates this course fulfills a Technical Course Requirement on this Plan of Study

T Elec - Indicates Elective Choice in the Technical course requirement category

TAG, C-TAG, OTM - Designation in this column indicates this course has been approved by the Ohio Board of Regents as a Transfer Assurance Guide (TAG), Career Technical Assurance Guide (C-TAG), or Ohio Transfer Module (OTM) course. Please follow this link on the COTC web site for more information: <http://www.cotc.edu/current-students/tags-transfer-module/Pages/index.aspx>

Course Name	Course Title	Course Credit Hours	Weekly Contact Hours	Tech, Non-Tech or Elective	Semester(s) Course Offered	SEM Course Approved As A TAG, C-TAG or OTM	Equivalent Quarter Course	Equivalent Quarter Cr Hrs
SEMESTER 1								
EMS-105	First Aid	2.00	3.00	NT	SM,AU,SP	----	EMS-4052	2.00
* HEO-101	Heavy Equipment Class I	3.00	7.00	T	SM,AU,SP	----	None	----
* HEO-102	Heavy Equipment Class II	3.00	9.00	T	SM,AU,SP	----	None	----
* HEO-103	Heavy Equipment Class III	3.00	9.00	T	SM,AU,SP	----	None	----
* HEO-104	Heavy Equipment Class IV	3.00	9.00	T	SM,AU,SP	----	None	----
HEO-108	Safeland Certificaton	0.50	0.50	T	SM,AU,SP	----	None	----
	TOTAL CREDIT & CONTACT HOURS	14.50	37.50					
SEMESTER 2								
ARCH-110	CAD Fundamentals	2.00	3.00	T	AU	----	DDT-3706, 3707	3.00
BIO-105	Environmental Science	4.00	5.00	NT	SM,AU,SP	OTM	BIO-1730	5.00
BUS-105	Introduction to Business	3.00	3.00	T	AU	----	None	----
CIVL-160	Introduction to Civil Engineering Technology	2.00	3.00	T	SP	----	DDT-3731	3.00
* ENGL-112	Composition I	3.00	4.00	NT	SM,AU,SP	OTM	COM-1535	4.00
ENGR-106	Computer Applications for Engineering Technologies	2.00	3.00	T	AU	----	None	----
	TOTAL CREDIT & CONTACT HOURS	16.00	21.00					

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SEMESTER 3								
ENGR-100	Introduction to Engineering Technologies	1.00	1.00	T	AU	----	None	----
* ENGL-208	Technical Writing	3.00	4.00	NT	SM,AU,SP	TAG	COM-1525	3.00
* CIVL-260	Construction Materials and Testing	2.00	4.00	T	AU	----	None	----
* PHIL-200	Introduction to Ethics	3.00	3.00	NT	SM,AU,SP	OTM,TAG	BHS-1340	3.00
	Non-Technical Elective - Mathematics	3.00	3.00	NT Elec	See Choices Below			
	Non-Technical Elective - Social & Behavioral Science	3.00	3.00	NT Elec	See Choices Below			
	TOTAL CREDIT & CONTACT HOURS	15.00	18.00					
SEMESTER 4								
BUS-110	Introduction to Management	3.00	3.00	T	SP	----	BMT-2021	4.00
* CIVL-245	Surveying	2.00	3.00	T	SP	TAG	None	----
* ENGR-205	Engineering Technology Leadership and Supervision	2.00	2.00	T	SP	----	None	----
HEO-110	Soils for Construction	2.00	2.00	T	SP	----	None	----
* PHYS-100	General Physics	4.00	5.00	NT	SM,AU,SP	----	PHY-1721	5.00
SPCH-100	Fundamentals of Communication	3.00	3.00	NT	SM,AU,SP	TAG	COM-1534	4.00
	TOTAL CREDIT & CONTACT HOURS	16.00	18.00					

Total Semester Credit Hours Required for Completion of Degree								61.50
<i>Non-Technical Required Semester Credit Hours</i>								28.00
<i>Technical Required Semester Credit Hours</i>								33.50

Non-Technical Elective - Mathematics								
Total of 3.00 Semester Credit Hours Required to Complete this Degree								
* MATH-140	College Algebra	3.00	3.00	NT Elec	SM,AU,SP	OTM	MTH-1215	5.00
* MATH-150	Pre-Calculus	5.00	5.00	NT Elec	SM,AU,SP	OTM	MTH-1216	5.00
Non-Technical Elective - Social and Behavioral Sciences								
Total of 3.00 Semester Credit Hours Required to Complete this Degree								
ECON-105	Principles of Microeconomics	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BMT-2025	4.00
* PSY-100	Introduction to Psychology	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BHS-1376	5.00
SOC-100	Introduction to Sociology	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BHS-1382	3.00
SOC-110	Cultural Diversity	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BHS-1379	3.00

The College Reserves the Right to Change Curricula Without Notice.

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