

# CAT Dealer Service Technician



# Semester Outline

20 Months Credits Required for Graduation: 73

Associate of Applied Science (A.A.S.) Degree

2009 – 2010 Revised: 2/9/09

## First Semester – Fall Semester

Course Number	Course Title	Clock Hours	Credits
<a href="#">DCAT 110</a>	CAT Engine Fundamentals	112	4
DCAT 111	Introduction to CAT Service	56	2
DCAT 150	Internship I	112	4
<a href="#">AED 100</a>	Automated External Defibrillator	14	.5
<a href="#">HAZ 100</a>	Hazardous Materials Safety	14	.5
•• <a href="#">CIS 102</a>	Windows Applications for Technicians	48	3
• Selected Social Science Course		48	3
Total		404	17

## First Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
DCAT 112	Fundamentals of Hydraulics	84	3
DCAT 114	Fundamentals of Electricity	84	3
DCAT 115	Air Conditioning	56	2
DCAT 117	Machine Hydraulic Systems	84	3
DCAT 151	Internship II	112	4
DT 116	Metallurgy	56	2
Total		476	17

## Summer Session

Course Number	Course Title	Clock Hours	Credits
• Selected Behavioral Science Course		48	3
• Selected Communications Course		48	3
Total		96	6

## CAT Dealer Service Technician

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### Second Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
DCAT 113	Caterpillar Fuel Systems	84	3
DCAT 116	Fundamentals of Transmissions and Torque Converters	84	3
DCAT 200	Undercarriage/Final Drives	84	3
DCAT 202	Engine Performance	56	2
DCAT 250	Internship III	112	4
• Selected Math Course		48	3
Total		468	18

### Second Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
DCAT 201	CAT Machine Electronics	84	3
DCAT 203	Diagnostic Testing	56	2
DCAT 204	Machine Specific Systems	84	3
DCAT 251	Internship IV	112	4
• Selected Math Course		48	3
Total		384	15

- Students who transfer in two credits in computer science will take CSC 101 – Computer Essentials for 1 credit.
- To fulfill graduation requirements, students must select one course in each of the four areas listed. Courses marked with an asterisk can be transferred directly to the university system under the terms of articulation agreements. Students should speak with an advisor before selecting transferable courses.

#### Behavioral Science

[PSYC 100](#) – Psychology of Human Relations  
[PSYC 101](#) – General Psychology \*

#### Communications

[COMM 101](#) – Contemporary Communication  
[ENGL 101](#) – Composition \*  
[SPCM 101](#) – Fundamentals of Speech \*

#### Mathematics (Choose 2)

[MATH 100](#) – Applied General Math  
[MATH 101](#) – Intermediate Algebra  
[MATH 102](#) – College Algebra \*

#### Social Science

[ECON 105](#) – Leadership in the Global Workplace  
[ECON 201](#) – Principles of Microeconomics I \*  
[ECON 202](#) – Principles of Macroeconomics II \*  
[SOC 100](#) – Introduction to Sociology \*