

**UFSC- FEDERAL UNIVERSITY OF SANTA CATARINA****ACADEMIC BACKGROUND**

Student: André Carvalho Bittencourt
Degree: 220 - CONTROL AND AUTOMATION ENGINEERING
Situation: regular
Entrance: Entrance Exam

Semester	Code	Course Name	Grade	Men.	Hours	Freq.	Type	Rev.	
20031	DAS5411	Introduction to Control and Automation Engineering	9.5		72	FS	Ob		
20031	EGR5604	Technical Drawing I	8.5		54	FS	Ob		
20031	FSC5101	Physics I	8.5		72	FS	Ob		
20031	INE5208	Introduction to Computer Sciences to Automation	8.0		90	FS	Ob		
20031	MTM5161	Calculus A	8.0		72	FS	Ob		
20031	MTM5221	Linear Algebra and Analytical Geometry I	9.5		72	FS	Ob		
IA: 8.64			IAA: 8.64			IAP: 8.64			Hours (total= 432 approved= 432)

Semester	Code	Course Name	Grade	Men.	Hours	Freq.	Type	Rev.	
20032	EEL5310	Digital Systems	9.0		90	FS	Ob		
20032	FSC5122	Experimental Physics I	8.5		54	FS	Ob		
20032	FSC5132	Theoretical Physics A	7.5		90	FS	Ob		
20032	INE5212	Fundamentals of Information Structure	9.5		54	FS	Ob		
20032	MTM5162	Calculus B	9.0		72	FS	Ob		
20032	MTM5222	Linear Algebra and Analytical Geometry II	7.5		72	FS	Ob		
20032	CAD5106	General Management Theory	7.5		72	FS	Ob		
IA: 8.30			IAA: 8.46			IAP: 8.46			Hours (total= 936 approved= 936)

Semester	Code	Course Name	Grade	Men.	Hours	Freq.	Type	Rev.	
20041	EEL7030	Microprocessors	8.0		72	FS	Ob		
20041	FSC5123	Experimental Physics II	8.0		54	FS	Ob		
20041	FSC5133	Theoretical Physics B	7.5		90	FS	Ob		
20041	INE5207	Numerical Methods in Engineering	8.0		72	FS	Ob		
20041	MTM5163	Calculus C	7.0		90	FS	Ob		
20041	EQA5115	Technological Chemistry C	7.5		90	FS	Ob		
IA: 7.61			IAA: 8.17			IAP: 8.17			Hours (total= 1404 approved= 1404)

Semester	Code	Course Name	Grade	Men.	Hours	Freq.	Type	Rev.
20042	DAS5112	Linear Systems and Signals I	8.0		108	FS	Ob	
20042	DAS5305	Industrial Informatics I	8.5		72	FS	Ob	
20042	ECV5215	Mechanics of Materials I	9.0		90	FS	Ob	
20042	EEL5104	Electric Circuits for Control and Automation	7.0		108	FS	Ob	

20042 EMC5425	Fluid Dynamics	7.5	72	FS	Ob
IA: 7.96	IAA: 8.12	IAP: 8.12	Hours (total= 1854 approved= 1854)		

Semester	Code	Course Name	Grade	Men.	Hours	Freq.	Type	Rev.
20051	DAS5101	Engineering Processes	9.0		54	FS	Ob	
20051	DAS5113	Linear Systems and Signals II	9.5		108	FS	Ob	
20051	DAS5312	Software Engineering	8.5		72	FS	Ob	
20051	EEL5346	Basics Electronics	6.5		108	FS	Ob	
20051	EEL5355	Industrial Electricity	8.0		36	FS	Ob	
20051	INE5108	Statistics and Probabilities for Exact Sciences	7.0		54	FS	Ob	
20051	EPS5241	Strategic Planning	7.5		54	FS	Op	
20051	EFC5656	Swimming	10.0		54	FS	Op	

IA: 8.21	IAA: 8.14	IAP: 8.14	Hours (total= 2394 approved= 2394)		
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Semester	Code	Course Name	Grade	Men.	Hours	Freq.	Type	Rev.
20052	DAS5121	Feedback Control Systems	7.5		108	FS	Ob	
20052	DAS5306	Industrial Informatics II	9.0		72	FS	Ob	
20052	EEL5191	Electric Drives in Automation	8.0		54	FS	Ob	
20052	EMC5236	Mechanical Quantities Measurement	8.5		72	FS	Ob	
20052	EMC5245	Metal-Mechanic Manufacture Processes	8.0		72	FS	Ob	
20052	EEL7825	Digital Image Processing Project	8.0		72	FS	Ex	
20052	EFC5557	Tennis	9.0		54	FS	Op	

IA: 8.21	IAA: 8.15	IAP: 8.15	Hours (total= 2898 approved= 2898)		
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Semester	Code	Course Name	Grade	Men.	Hours	Freq.	Type	Rev.
20061	DAS5131	Multivariable Control	9.0		72	FS	Ob	
20061	DAS5202	Automatic Systems Modeling and Control	9.0		72	FS	Ob	
20061	EQA5239	Oil Engineering Beddings	9.0		54	FS	Op	
20061	EQA5238	Process Analysis and Control for Oil and Gas Industries	I		54	FS	Op	
20061	EMC5219	Numerical Command Technology	7.0		54	FS	Ob	
20061	EMC5301	Introduction to Computer Aided Manufacturing	9.0		72	FS	Ob	
20061	EMC5467	Hydraulic and Pneumatic Drives for Automation	9.5		54	FS	Ob	
20061	INE5225	Fundamentals of Database Systems	6.5		54	FS	Ob	

IA: 8.50	IAA: 8.20	IAP: 8.20	Hours (total= 3330 approved= 3330)		
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Semester	Code	Course Name	Grade	Men.	Hours	Freq.	Type	Rev.
20062	CNM5111	Economic and Social Aspects of Automation	9.0		36	FS	Ob	
20062	DAS5141	Non-Linear systems	9.0		54	FS	Ob	
20062	DAS5313	Modeling and Techniques for Automatics Systems Performance Evaluation	9.0		72	FS	Ob	
20062	DAS5314	Industrial Automation Computer Networks	8.5		72	FS	Ob	
20062	ECZ5102	Conservation of Natural Resources	9.0		54	FS	Ob	
20062	EMC5251	Introduction to Industrial Robotics	9.5		54	FS	Ob	

20062 EMC5255	Integrated Manufacturing Systems	9.0	90	FS	Ob
20062 DAS5944	Special Topics in Control: Instrumentation applied to Oil and Gas Industries	10.0	54	FS	Op
20062 DAS5945	Special Topics in Control: Control Techniques applied to Oil and Gas Industries	9.5	54	FS	Op

IA: 9.16	IAA: 8.34	IAP: 8.34	Hours (total= 3942 approved= 3942)		
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20071 DAS5931	Exchange Program I	10.0	0	FS	Ob
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IA: 9.16	IAA: 8.34	IAP: 8.34	Hours (total= 3942 approved= 3942)		
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hip in Automatic Control			10.0		
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3.53	IAP: 8.53	Hours (total= 4442 approved=			
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<p>Maximum Grade = 10.0 Minimum Approving Grade = 6.0 Minimum Grade = 0.0 IA=Approval Index in Semester, IAA=Accumulative Approval Index, IAP=Corrected Approval Index I = not concluded</p>
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