

ATI's Online Jumpstart



INSTRUCTOR

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COURSE OVERVIEW

Over the past thirty years, ATI has been a go-to resource for education in the cardiac rhythm management space. The Jumpstart program originally began as an in-person-only course, but over time has evolved into both an online and in-person course. The Jumpstart Online program contains 40 hours of self-paced, interactive online modules, lessons, tests and resources designed specifically for allied health professionals with one year or less of experience working in a device clinic and individuals interested in expanding their knowledge in the field of cardiac rhythm and device management. Initiation into the CRM world can be a lengthy process and it takes many AHP's and industry professionals a year or more to become proficient in this specialty; thus, this course represents the beginning of a learning journey rather than the end of one.

While the approximate duration of the recorded lessons and lectures is 40 hours, we recommend an estimated completion time of four to six weeks, taking additional time to attend optional Zoom lectures and Q&A sessions, as well as review, study and reference the many resources offered within the program, including interactive programmer and lead testing tutorials. Upon completion of the program, you will receive a certificate to acknowledge your accomplishment.

The following syllabus provides an outline of the content included in your course. The times in parenthesis next to each module slide are the approximate length of that slide. At the end of each module is the approximate duration of the recorded content in the module. However, in order to properly retain the material, it is suggested that students watch each module more than once and/or pause frequently to take notes and review concepts. Each unit contains resources that can be referenced as well, so additional time is allotted for review of these items. Therefore, the "estimated time to complete" each module, will vary significantly from the approximate duration of the slides.

COURSE	APPROXIMATE RECORDED DURATION	ESTIMATED TIME TO COMPLETE
Unit 1: Cardiac A&P, Pathophysiology and Electrocardiography	8 hour 45 min Total	26 hours Total
Unit 1, Module 1: Cardiac Anatomy and Physiology	1 hour	3 hours
Unit 1, Module 2: ECG's and Normal Conduction	2 hours 15 min	5 hours
Unit 1, Module 3: Sick Sinus Syndrome	45 min	2 hours
Unit 1, Module 4: Escape Rhythms	45 min	2 hours
Unit 1, Module 5: Atrial Arrhythmias	1 hour	3 hours
Unit 1, Module 6: Heart Blocks	1 hour	3 hours
Unit 1, Module 7: Ventricular Arrhythmias	45 min	2 hours
Unit 1, Module 8: ECG Review and Strip Analysis Lecture	1 hour 15 min	3 hours
Unit 1 Resources		3 hours
Unit 2: Pacemakers	12 hours 30 min Total	32 hours Total
Unit 2, Module 1: Nuts and Bolts of Cardiac Pacing: The Pacemaker System	10 min	1 hour
Unit 2, Module 2: Nuts and Bolts of Cardiac Pacing: Pacing Leads	20 min	45 min
Unit 2, Module 3: Pacemaker Indications	20 min	45 min
Unit 2, Module 4: Pacemaker Modes and Codes	20 min	45 min
Unit 2, Module 5: Nuts and Bolts of Cardiac Pacing: Review and Strip Analysis Lecture	45 min	1 hour 30 min
Unit 2, Module 6: Recognizing Appropriate Pacing and Sensing	1 hour	2 hours
Unit 2, Module 7: Single Chamber Timing Cycles	1 hour 20 min	3 hours
Unit 2, Module 8: Dual Chamber Timing Cycles	1 hour 20 min	3 hours
Unit 2, Module 9: The Four Faces of DDD	30 min	1 hour
Unit 2, Module 10: Introduction to Device Follow-Up	40 min	2 hours
Unit 2, Module 11: Checking Battery Status and Lead Impedance	30 min	1 hour
Unit 2, Module 12: Determining Underlying Rhythm and Sensing	40 min	1 hour 30 min
Unit 2, Module 13: Threshold Testing	45 min	1 hour 30 min
Unit 2, Module 14: Rate Response and Heart Rate Diagnostics	1 hour, 10 min	2 hours
Unit 2, Module 15: Pacemaker Programming and Troubleshooting	2 hours	4 hours
Unit 2, Module 16: Device Case Studies with Paul	45 minutes	1 hour 30 min
Unit 2, Module 17: Programmer Demos		4 hours
Unit 3: Implantable Cardioverter Defibrillators	5 hours Total	10 hours Total

Unit 3, Module 1: Introduction to ICD Follow-Up	30 min	1 hour
Unit 3, Module 2: ICD Detection and Discriminators	1 hour 20 min	3 hours
Unit 3, Module 3: ICD Programming and Troubleshooting	2 hours	4 hours
Unit 3, Module 4: ICD Case Studies and EGM Analysis	1 hour	2 hours
Unit 4: Cardiac Resynchronization Therapy	2 hours Total	4 hours Total
Unit 4, Module 1: Introduction to CRT Follow-Up	30 min	1 hour
Unit 4, Module 2: CRT Programming and Follow-Up	1 hour 30 min	3 hours
All Units and Resources	30 hours Total	72 hours Total