

Cadence Training Learning Maps

Cadence Training Services learning maps provide a comprehensive visual overview of the learning opportunities for Cadence customers. They provide recommended course flows as well as tool experience and knowledge levels to guide students through a complete learning plan. Learning Maps cover all Cadence® Technologies and reference courses available worldwide. For course names, descriptions, and schedules, please select the Browse Catalog button at <https://www.cadence.com/training>.

Contents

- PCB Design and Analysis
- Custom IC, Analog, and RF Design
- Digital Design and Signoff
- System Design and Analysis
- IC Package Design and Analysis
- Tensilica® Processor IP

PCB Design and Analysis Learning Map

Beginner

Advanced

Beginner

Advanced



IC Package Design and Analysis Learning Map

Beginner



Advanced

IC Package Design

SiP Layout



Allegro® Package Designer



Allegro FPGA System Planner



Allegro Sigrity Package Assessment and Model Extraction



OrbitIO™ System Planner



Advanced Design Verification with the RAVEL Programming Language **NEW**



SI/PI Analysis

Allegro Sigrity™ SI Foundations



Allegro Sigrity PI



Sigrity PowerDC™ and OptimizePI™



Sigrity SystemSI™ for Parallel Bus and Serial Link Analysis **NEW**



Model Generation and Analysis using PowerSI, Broadband SPICE, and 3D-EM



Beginner



Advanced

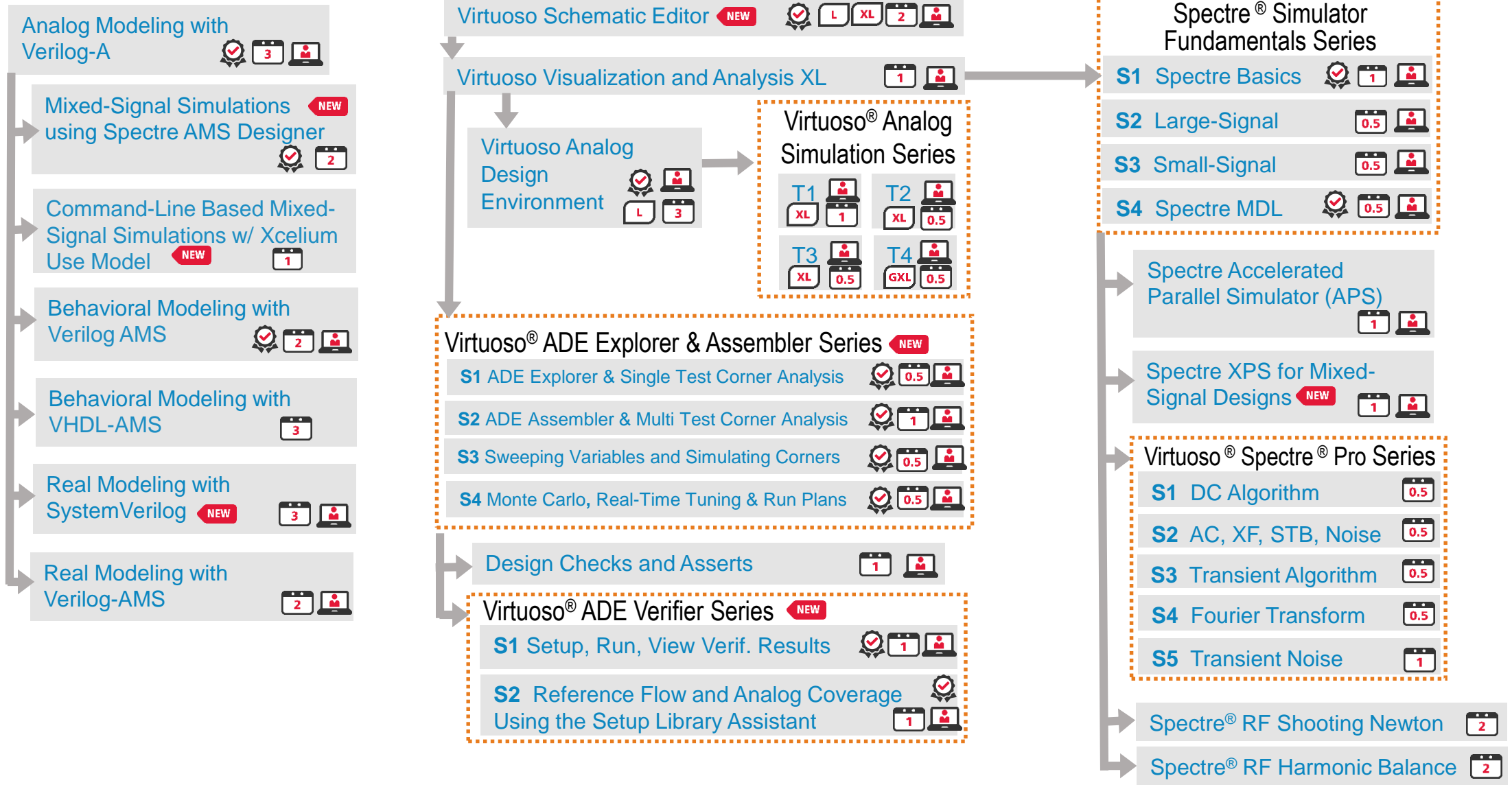
Beginner

Advanced

Beginner

Advanced

Circuit Design, Simulation, Modeling and RF Design



Beginner

Advanced

Beginner

Advanced

IC CAD

- SKILL® Language Programming Introduction
- SKILL Language Programming Fundamentals
- SKILL Language Programming **NEW**
- SKILL Development of Parameterized Cells
- SKILL Programming for IC Layout Design
- Advanced SKILL Language Programming

Layout Design and Advanced Nodes

- Virtuoso® Layout Design Basics **NEW**
- Virtuoso Connectivity-Driven Layout Transition
- Virtuoso Abstract Generator
- Virtuoso Floorplanner
- Virtuoso Space-Based Router
- Virtuoso Space-Based Router Express
- Virtuoso® Advanced-Node Series – ICADV
 - Virtuoso Layout for Advanced Nodes
 - T1: Place and Route
 - T2: Electromigration

Layout Verification

- Physical Verification System (PVS)
- Physical Verification Language Rules-Writer
- Quantus™ Extraction Solution Transistor-Level Series **NEW**
 - T1: Overview and Technology Setup
 - T2: Parasitic Extraction
 - T3: Extracted View Flows and Advanced Features
- Transistor Level Power Signoff with Voltus™-Fi

Virtuoso® Layout Pro Series

- T1: Env. and Basic Commands **NEW**
- T2: Create and Edit Commands **NEW**
- T3: Basic Commands **NEW**
- T4: Advanced Commands
- T5: Interactive Routing
- T6: Constraint-Driven Flow and Power Routing
- T7: Module Generator and Floorplanner
- T8: Debugging Layout Issues

Virtuoso Electrically-Aware Design with Layout-Dependent Effects

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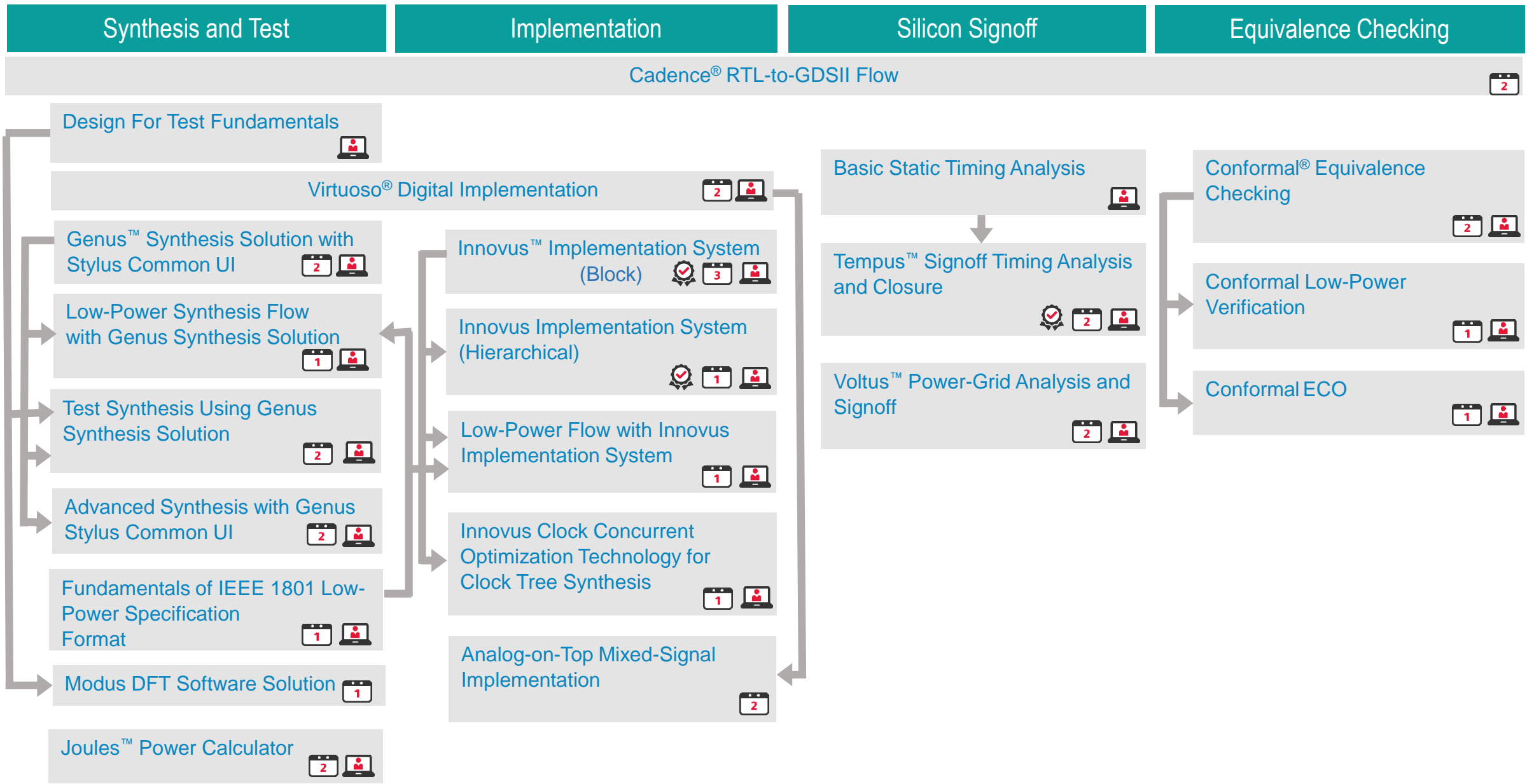
Digital Design and Signoff Learning Map

Beginner

Advanced

Beginner

Advanced



System Design and Verification Learning Map

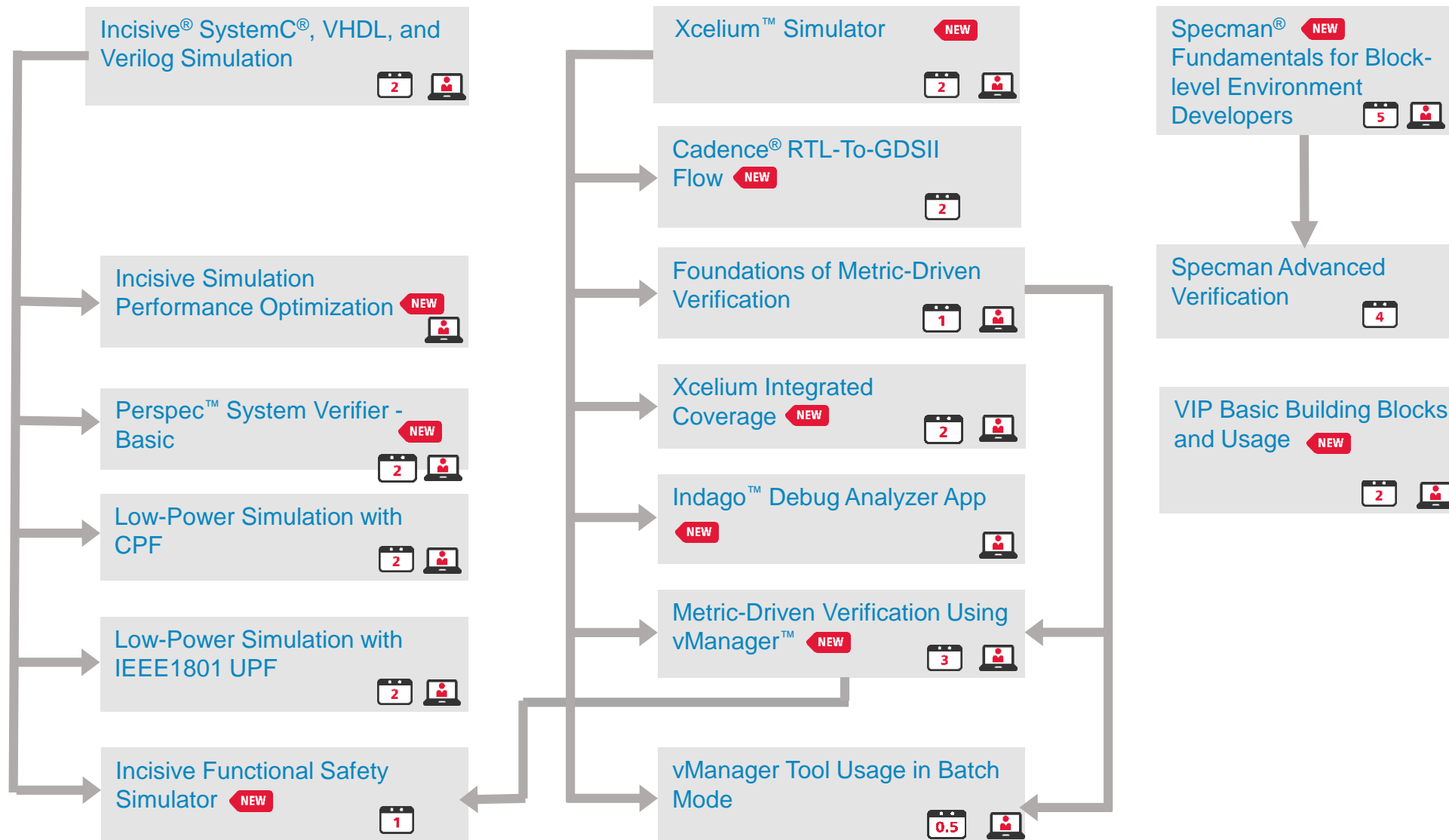
Beginner

Advanced

Beginner

Advanced

Simulation, Acceleration, Coverage and Debug



System Design and Verification Learning Map

Beginner



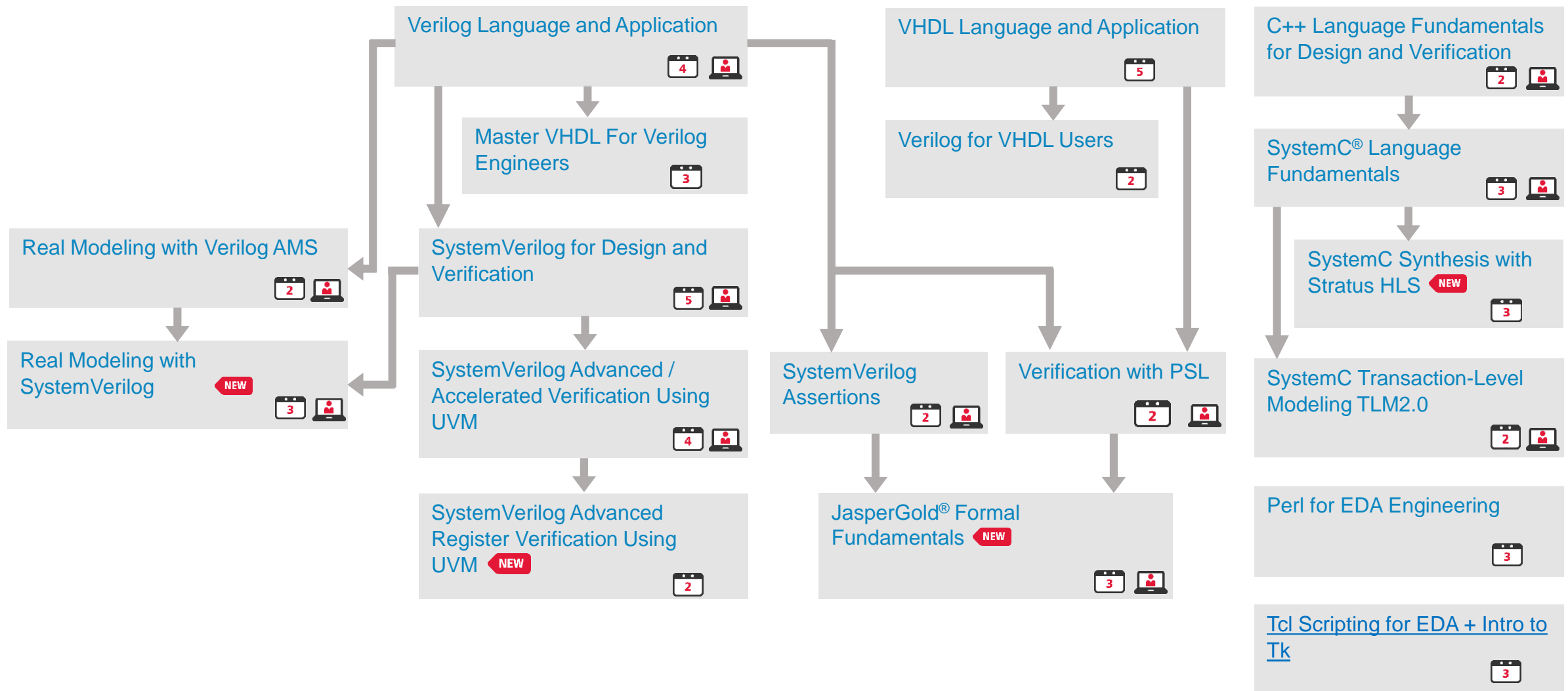
Advanced

Beginner



Advanced

Design and Verification Languages



Tensilica Processor IP Learning Map

Tensilica Processors

ConnX DSP

Fusion DSP

HiFi Audio DSP

Vision DSP

Tensilica® Processor Fundamentals



Tensilica Xtensa® Processor Interfaces



Tensilica Xtensa Hardware Verification and EDA



Tensilica Instruction Extension Language and Design



Introduction to System Modeling with Tensilica Processor Cores



Tensilica ConnX BBE16EP Baseband Engine



Tensilica ConnX BBE32EP Baseband Engine



Tensilica ConnX BBE64EP Baseband Engine



Tensilica Fusion F1 DSP



Tensilica Fusion G3 DSP



Tensilica Fusion G6 DSP



Tensilica Audio Codec API



Tensilica HiFi 2/EP/Mini Audio Engine ISA



Tensilica HiFi 3 Audio Engine ISA



Tensilica HiFi 4 DSP **NEW**



Tensilica Vision P5 DSP



Tensilica Vision P6 DSP



Tensilica Vision C5 DSP **NEW**



New Course



Number of days for instructor-led course



Online Course Available

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