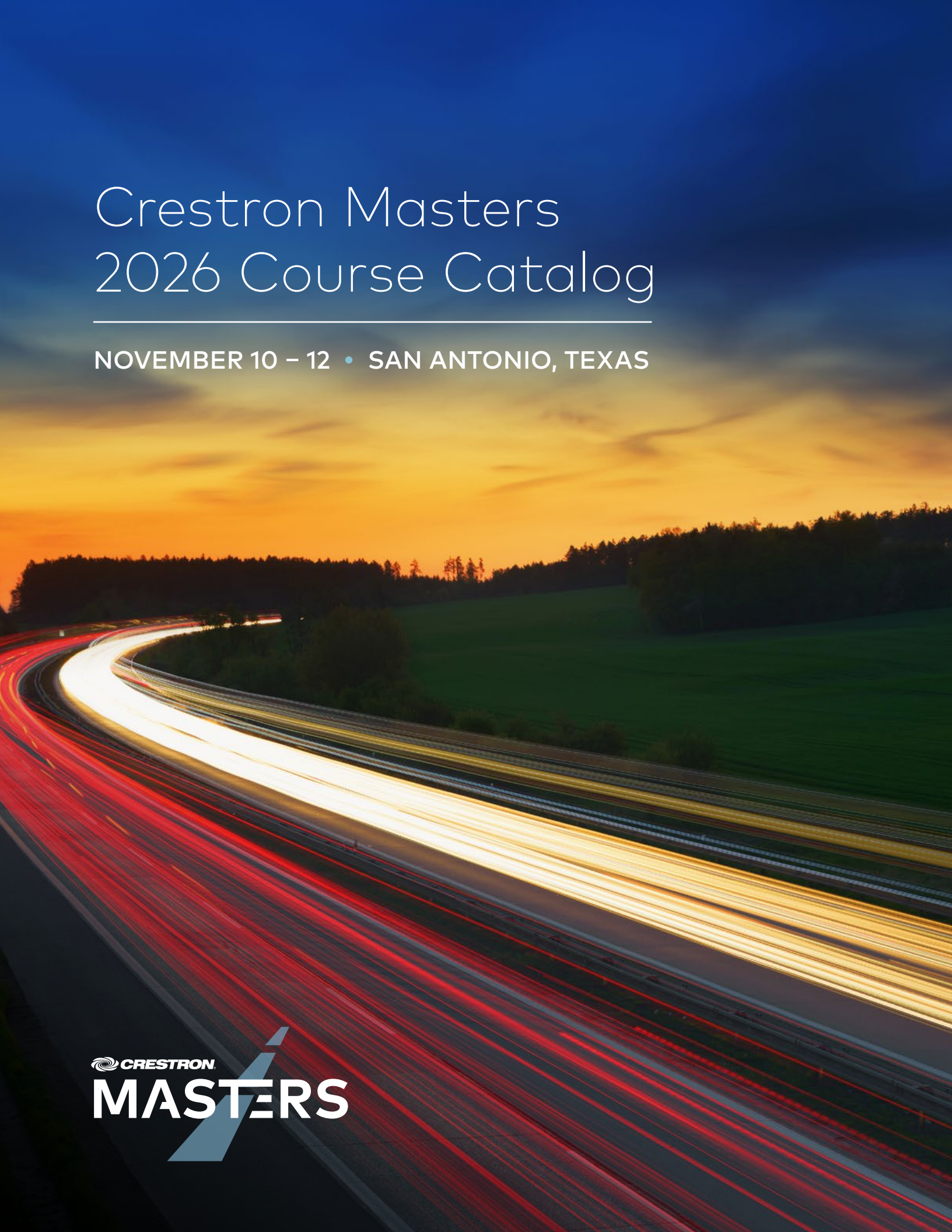
Crestron Masters 2026 Course Catalog

NOVEMBER 10 – 12 • SAN ANTONIO, TEXAS





What is the Crestron Masters Training Event?

Crestron Masters is an in-person continuing education and networking event for certified professionals seeking advanced, applied learning. The curriculum supports every stage of the Crestron journey by blending advanced technical training, real-world application, and community engagement—empowering programmers and designers to stay current, competitive, and confident in complex deployments.

Since its launch in 2002, Crestron Masters has evolved from a small group of programmers at Crestron headquarters into one of the most prestigious continuing education events in the AV industry. Today, it is a globally recognized annual event, bringing together professionals from around the world who are committed to advancing their skills, expanding their networks, and shaping the future of technology enabled environments.

Crestron Masters Education Paths

CRESTRON MASTERS CERTIFIED PROGRAMMER (CMCP)

The CMCP path delivers hands-on training for Crestron Certified Programmers, focused on latest software best practices and programming methodologies. CMCP participants have access to all programming and design courses offered at Crestron Masters.

CRESTRON MASTERS TECHNOLOGY ARCHITECT (CMTA)

The CMTA path equips certified designers with a deep knowledge of Crestron solutions and design strategies to create scalable, high-impact systems using the latest technologies. CMTA courses span modern collaboration, AV over IP, intelligent video, and networking, with optional focus areas in security, education, and residential design.

Modern Work at Crestron Masters

CRESTRON MODERN WORKPLACE CERTIFICATION

Modern Work at Crestron Masters expands the Crestron Masters experience by offering a two-day, in-person training program designed as an introduction to Crestron education and the Crestron Masters community. Modern Work provides practical guidance on workplace design, collaboration technologies, and real-world deployment strategies, making it ideal for professionals who are new to Crestron training or looking to build foundational proficiency. No prior Crestron Masters certification is required, and attendees earn the Crestron Modern Workplace Certification upon completion.

Network with industry peers and Crestron experts

Engage with industry partners at the Partner Expo and experience how their technologies integrate seamlessly with the Crestron ecosystem to power complete solutions.

Peer-to-peer collaboration is what makes Crestron Masters a premier networking experience. Beyond education, the event brings together programmers, designers, engineers, consultants, and Crestron experts in a highly collaborative environment where ideas are shared, relationships are built, and careers are elevated. Through expert-led sessions, shared keynote experiences, and partner engagement, Crestron Masters fosters a global community united by a passion for learning and innovation.

Crestron Masters is more than an event — it's where the Crestron community comes together to learn, connect, and lead the future of technology.

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Crestron Masters Certified Programmer Courses

Level 500 5

Level 600 6

Level 700 8

Crestron Masters Technology Architect Courses

System Design 9

Focus Group Design 11

Residential Design 12

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LEARN MORE ABOUT CRESTRON MASTERS

General Sessions

Six sessions – Included for all attendees, unless otherwise noted.

Welcome Keynote

- 90 Minutes
- Presentation

Three days start here. Crestron's mission for 2026 is to make every space intelligent, and this is where you find out what that commits us to — across Content, Collaboration, and Control. We'll take on the question this room asks most directly: what Construct, Spaces, and AI-assisted configuration mean for custom programming, and what continues to be supported. Then we close by honoring three people who've already answered it.

Closing Session

- 90 Minutes
- Presentation

Join us for a live, exclusive look at the coming year at Crestron. We'll close out Crestron Masters 2026 with recognition of this year's training conference and welcome our newly leveled-up Crestron Certified Programmers and Crestron Certified Technology Architects.

Crestron True Blue Party

- 3 Hours
- Special Event

Get ready to celebrate the Crestron True Blue Community. Once a term for our technical support team, "True Blue," has evolved to represent a greater collective of dedicated Crestron integrators, problem solvers, specifiers, and programmers. The evening will celebrate our growing community and the successes that are possible through networking, live music, gourmet offerings, spirits, and good will.

Annual Masters Hackathon

- 2 Hours
- Special Event

You won't believe the challenge in front of the Crestron Masters Community that takes this year's event into unheard of depths. Now in its 11th year, the Crestron Masters Hackathon has evolved from a simple programming challenge, through a plethora of colored hats, to this year's incredible concept. Don't miss out – sign up your team!

GENERAL SESSIONS

Crestron Construct GUI Gallery

Crestron Construct™ UI editing tool is a powerful tool for creating innovative and attractive user interfaces representing the best experience for your customer. In this expo gallery we will feature some of the best UI submissions from our Crestron Masters programming community, all authored using the Crestron Construct tool. You will be able to explore each solution presented on a touch screen and within the software itself in this unique and interactive showcase.

Crestron Masters Technical Showcase

Hear directly from leading technology partners and explore how their solutions integrate with Crestron to enhance collaboration and elevate the modern workplace experience.

The course descriptions for the partner tech sessions will be published at a later date.









Programming Courses (CMCP)

Ten courses – Electives for all programmers

P500

Tools for the Modern Crestron Developer

- 90 minutes
- Level 5
- Presentation

Join us for a look at how the Crestron development platform is evolving — and what that means for you. This session introduces the latest concepts shaping the modern Crestron developer toolkit, from cloud-connected workflows to APIs to full-stack development and the expanding role of AI in how solutions are designed, built, delivered, and maintained. Drawing on expert perspectives and community discussion, we'll connect the dots across the platform and set the context for the deep-dive sessions that follow.

P501

Crestron Construct: Programming SIMPL & SIMPL+

- 3 hours
- Level 5
- Programming Lab

In this interactive programming lab, learn how building projects in Crestron's SIMPL and SIMPL+® programming language is both simplified and streamlined using the Crestron Construct Integrated Development Environment (IDE). We will also explore some of the best practices and advanced techniques for solutions available within these languages.

P502

Getting Started: Exploring Object-Oriented Programming using C# for Crestron

- 3 hours
- Level 5
- Programming Lab

Ready to take your programming skills to the next level? We will explore not only the fundamentals of object-oriented programming, but also show how an asynchronous approach can streamline your code. Whether you are familiar with C# or not, this practical lab will get you moving with some great new additions to your programming toolbox.

PROGRAMMING COURSES (CMCP)

P603

Programming with XiO Cloud – API & Program Connector

- 3 hours
- Level 6
- Programming Lab

Programming doesn't stop at the processor. Learn how to leverage XiO Cloud® technology operations management platform APIs and Program Connector capabilities to extend automation, monitoring, and operational intelligence beyond the room. Through hands-on labs and real-world examples, you'll build cloud-connected solutions that automate workflows, improve visibility, and enhance the user experience.

P604

Crestron Construct UI: Best Practices

- 3 hours
- Level 6
- Programming Lab

If you want to make the best and most efficient use of your touch screens, this is the course for you. Explore Crestron Construct™ UI editing tool with our experts and take a deep dive into the methods which can migrate your great interfaces into exceptional ones. Learn how lean and efficient coding using the more advanced tools available in Crestron Construct can optimize your user experience.

P605

Intermediate C#: Interfacing Crestron DM NAX with Crestron Construct Projects

- 3 hours
- Level 6
- Programming Lab

This course introduces programming Crestron DM NAX® audio technology systems in C# using the Crestron Construct™ software user interface. Students will learn how to integrate DM NAX devices into a control system by building reliable, scalable solutions that connect Crestron Construct based interfaces with backend C# logic. The course covers routing and control of DM NAX streaming sources through the Crestron Construct UI, demonstrating how to use C# effectively to manage device communication and system behavior.

Through practical examples, students will explore recommended project structure, signal flow, device control, and best practices for developing and maintaining modern Crestron DM NAX deployments.

Prerequisite: Programming using C# for Crestron

PROGRAMMING COURSES (CMCP)

P606

Building Extensions - Powerful Drivers for Crestron Home OS and Future Platforms

- 3 hours
- Level 6
- Programming Lab

Discover how AI and Entity-Based Extensions are reshaping device integration. Learn how capability-driven development simplifies custom driver creation, accelerates deployment, and enables rapid integration of emerging technologies. Includes live demonstrations of AI-assisted development and a working sample program.

Prerequisite: Programming using C# for Crestron

P607

Python + Crestron DM NAX APIs: From Automation to AI Control

- 3 hours
- Level 6
- Programming Lab

What happens when APIs meet AI? This hands-on Python® programming language lab shows how to build modern applications for DM NAX® audio technology using REST APIs, automation workflows, and AI-driven control. Learn how to create production-ready integrations, expose device actions to AI through MCP, and transform natural language requests into real-world AV control.

Prerequisite: Familiarity with scripting using Python programming language

P608

Third-Party Integration using C#

- 3 hours
- Level 6
- Programming Lab

Integration with third-party devices and services is an essential part of modern AV projects. Learn how to leverage both Crestron and third-party APIs to add a new dimension to your projects. In this 3-hour session we will cover the use of the Microsoft® Graph API to add system information to Microsoft 365® software so that clients can use services to drive reporting and add automation to room systems.

This course will discuss the methods and concepts used to create clean code and find a balance between high-quality work, the time required, and the cost. We will then cover debugging tools and techniques for C# code.

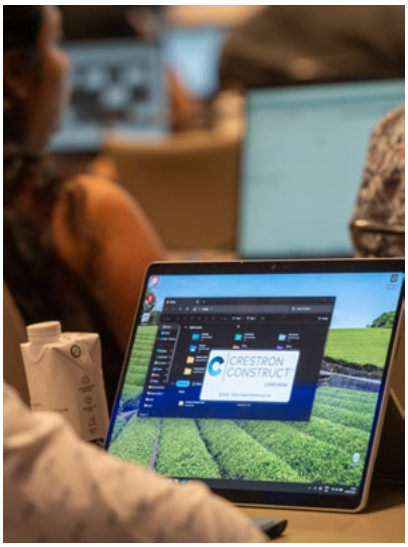
P709

Building Intelligent Crestron Applications: Full Stack Development with .NET 10, HTML5, & JavaScript

- 1 day
- Level 7
- Programming Lab

The future of AV software is full stack. Spend a day building a modern Crestron application from the ground up using ASP.NET, JavaScript, REST APIs, real-time communications, and modern web technologies. You'll connect devices, create rich user experiences, implement scalable architecture patterns, and finish by exploring how AI can interact with the systems built through Model Context Protocol (MCP). If you've ever wanted to understand what comes after traditional control programming, this is the class.









Design Courses (CMTA)

Nine courses – Electives for all designers; optional for programmers

D400

New Technology Roundup

- 90 minutes
- Level 4
- Presentation

So much has happened since Crestron Masters 2025! We've welcomed new solutions and evolved workflows. In this session you'll get caught up and learn how Crestron's vision to elevate design flexibility is realized through maximized interoperability.

D401

Designing Modern Collaboration Spaces with Crestron Collab Compute

- 90 minutes
- Level 4
- Presentation

Learn how to specify and design modern collaboration environments built around Crestron's Microsoft® Windows® OS based Collab Compute platform. This course provides practical guidance on integrating control, audio, video, and room automation to deliver seamless unified communication experiences. Participants will gain a deeper understanding of how the Crestron ecosystem works together to enable scalable, high-performance meeting spaces.

D402

Audio Processing made Easy with DM NAX Audio Technology

- 90 minutes
- Level 4
- Presentation

Could it really be this easy? Reduce the time to implement audio to mere minutes for the most robust of integrated conferencing solutions. Learn how DM NAX audio processing and distribution is revolutionizing the way audio solutions are designed and deployed.

D403

Multi-Camera Intelligent Switching Applications

- 90 minutes
- Level 4
- Presentation

Bridge the gap between simple camera switching and full-scale Automate VX deployments. This session covers the design techniques that power intelligent camera experiences, including presenter tracking, group framing, microphone-driven switching, and Crestron 1 Beyond i12D Dual Camera Speaker Tracking. You'll leave with practical strategies for designing scalable, responsive solutions and validating them through a hands-on design exercise.

DESIGN COURSES (CMTA)

D404

AV Infrastructure Deployment & Management

- 90 minutes
- Level 4
- Presentation

Crestron XiO Cloud® technology operations management platform takes its biggest leap forward yet. You'll learn how today's XiO Cloud platform makes managing the full lifecycle of your AV infrastructure easier and more proactive than ever before.

D405

DM NVX: The Evolution Continues

- 90 minutes
- Level 4
- Presentation

DM NVX® AV-over-IP technology continues to push the boundaries of AV-over-IP design. Explore the latest platform advancements, including Multiview, H.264 streaming, eARC, advanced audio routing, VLAN tagging, enhanced security, and emerging hardware innovations. Through real-world applications and live demonstrations, you'll learn how these capabilities expand design flexibility, simplify deployment, and enable more scalable, secure, and intelligent AV solutions.

D406

The Next Big Thing in Content, Collaboration, & Control

- 90 minutes
- Level 4
- Presentation

Be among the first to experience the next evolution of room technology. This session explores a new approach to unified content, collaboration, and control that simplifies system design without sacrificing flexibility. Through live demonstrations and real-world applications, you'll learn how to create scalable, integrated room experiences across workplace and learning environments.

D407

Enterprise-Scale Network Design

- 90 minutes
- Level 4
- Presentation

This session explores how to build enterprise-grade AV networks using NETGEAR® and Crestron technologies. From multi-switch architectures and VLAN strategy to security, remote management, and enterprise-scale deployments, you'll learn practical design approaches for integrating Crestron solutions into modern IT environments. Designed for AV professionals looking to expand their networking expertise, the session delivers real-world concepts and deployment strategies you can apply immediately.

D408

Unique Applications using Automate VX

- 90 minutes
- Level 4
- Presentation

Push Automate VX to its limits. This advanced design session showcases the most innovative and unconventional Automate VX deployments, from divisible spaces and courtrooms to large-scale production and executive environments. Discover how advanced system architectures, custom logic, and integrated production workflows can solve complex design challenges and deliver intelligent video experiences at a scale most integrators never thought possible.

Focus Group Design Courses (CMTA)

Two courses – Optional for designers

D409

Designing for Secure Sites (Government & Enterprise)

- 90 minutes
- Level 4
- Presentation

In today's AV environments, security is a design requirement, not a feature. Learn how to architect Crestron solutions for mission-critical and high-security applications using secure communications, encrypted transport, hardened devices, and modern cybersecurity practices. Through real-world examples and deployment reviews, you'll discover how to design systems that satisfy both operational objectives and evolving security expectations.

D410

Higher Education Classroom Technology Trends

- 90 minutes
- Level 4
- Presentation

Learn from Crestron subject matter experts and explore post-pandemic trends of how top higher education institutions are embracing new technologies in support of modern pedagogy.

Residential Special Design Courses (CMTA)

Six courses – Optional for designers with a residential focus.

D451

Advanced Shade Design

- 90 minutes
- Level 4
- Presentation

Not all windows are straightforward. This session will show you how to confidently tackle the most challenging shading scenarios using proven Crestron solutions. Learn advanced techniques for specifying shades across curved, oversized, angled, corner, and irregular windows — balancing performance, light control, and aesthetic integration through real-world design and installation strategies.

D452

Seamless Multi-Protocol Lighting Controls in Crestron Home OS

- 90 minutes
- Level 4
- Presentation

One home. Multiple lighting technologies. One seamless experience. Explore how Crestron Home® OS unifies DALI, DMX, 0-10V, PhaseX, tunable white, and color-tunable lighting into a cohesive system. Through design guidance, best practices, and live demonstrations, you'll learn how to create sophisticated lighting experiences that are easier to deploy, easier to manage, and more intuitive for homeowners.

D453

Advanced Planning & Troubleshooting

- 90 minutes
- Level 4
- Presentation

The best troubleshooting starts with proper planning. Learn best practices for designing, deploying, and validating reliable residential systems that anticipate and prevent common network, RF, device, processor, and programming issues before they occur. When problems do arise, apply a structured diagnostic approach to isolate and resolve faults in real-world systems.

D454

Design Considerations for Very Large Crestron Home Systems

- 90 minutes
- Level 4
- Presentation

Bigger systems require different design decisions. This session examines the challenges of scaling Crestron Home® OS beyond a single residence, including multi-processor architectures, distributed infrastructure, network design, legacy integration, and system segmentation. Through real-world examples and demonstrations, you'll learn how to build large, complex systems that remain manageable, reliable, and ready for future growth.

DESIGN COURSES (CMTA)

D455

Mastering Configure Pro for Crestron Home

- 90 minutes
- Level 4
- Presentation

The future of Crestron Home® OS deployment is here. This session showcases how Configure Pro software streamlines the entire project lifecycle, from initial system setup and device discovery to routing, programming, updates, and ongoing support. Through live demonstrations and real-world examples, you'll learn how to deploy more consistent systems, reduce commissioning time, and scale projects more efficiently than ever before.

D456

Residential Workflows to Maximize Efficiency

- 90 minutes
- Level 4
- Presentation

Great projects don't happen by accident. This session examines the workflows, processes, and decision points that have the greatest impact on project success. Learn practical strategies for managing discovery, design, procurement, installation, commissioning, and service while reducing mistakes, avoiding costly rework, and improving client satisfaction.

Intelligent Video Certified Engineer

One course – Optional for designers with IVC-E certification

V301

Automate VX & Camera Certification Update

- 3 hours
- Level 3
- Lab

In this exclusive lab course available only to Crestron IVC-E Certified Engineers, we will familiarize and level up participants with the most current Automate VX products and features, certification, and the new face-oriented switching feature that maximizes the best camera angles. Completion of this course grants or extends the Crestron Masters Intelligent Video Engineer (CM-IVC-E) Certification. **Seating is limited.**



Modern Work Certification at Crestron Masters

MODERN WORK @CRESTRON MASTERS

Six courses – Fixed path

M201

Network Infrastructure & Deployments

- 90 minutes
- Level 2
- Presentation

At the core of every modern workplace is a network built to scale. This session shows how NETGEAR AV networking combined with Crestron XiO Cloud® technology operations management platform delivers a secure, manageable, and future-ready foundation for deploying and managing technology across the enterprise.

M202

DM NVX Distribution & Routing Essentials

- 90 minutes
- Level 2
- Presentation

Crestron DM NVX® AV-over-IP technology enables scalable, network-based distribution across modern work environments. Attendees will see how continued DM NVX enhancements unlock greater flexibility and future-ready routing as deployments expand.

M203

Intelligent DM NAX & Sennheiser Solutions

- 90 minutes
- Level 2
- Presentation

This session explores the DM NAX® Intelligent Audio solution and our partnership with Sennheiser as a network-based approach to delivering clear, consistent audio across modern workspaces. You'll see how PoE-powered audio solutions simplify deployment while scaling seamlessly alongside video and collaboration systems.

M204

AirMedia Presentation Technologies

- 90 minutes
- Level 2
- Presentation

This session focuses on enabling seamless BYOD presentation and content sharing in modern meeting spaces. Learn how AirMedia® technology continues to evolve, simplifying user experiences while integrating cleanly into larger Crestron, UC, and AV-over-IP ecosystems.

MODERN WORK CERTIFICATION AT CRESTRON MASTERS

M205

Intelligent Video & Crestron 1 Beyond Cameras

- 90 minutes
- Level 2
- Presentation

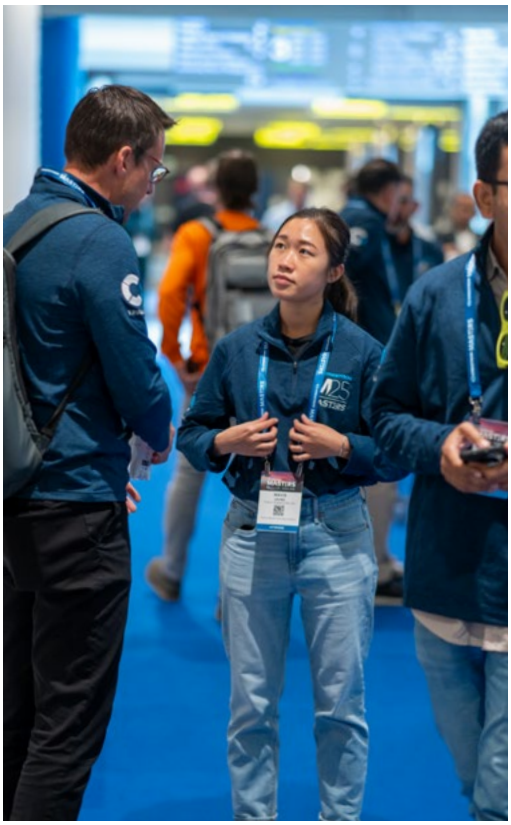
This session explores intelligent video solutions designed to elevate meeting equity and user experiences in modern workplaces. Attendees will learn how Crestron 1 Beyond cameras and intelligent switching scale from simple rooms to advanced spaces while integrating seamlessly with collaboration platforms.

M206

Collaboration Solutions & Integrations

- 90 minutes
- Level 2
- Presentation

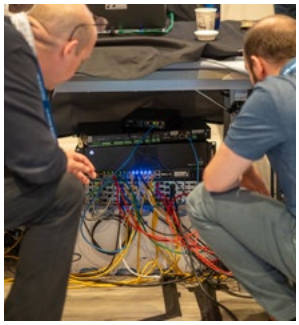
This session will tie the modern workplace together by focusing on how AV, video, audio, and control integrate with the Crestron Collab Compute and leading UC platforms. This session shows how thoughtfully designed collaboration solutions scale across room types while remaining simple to deploy, manage, and support.









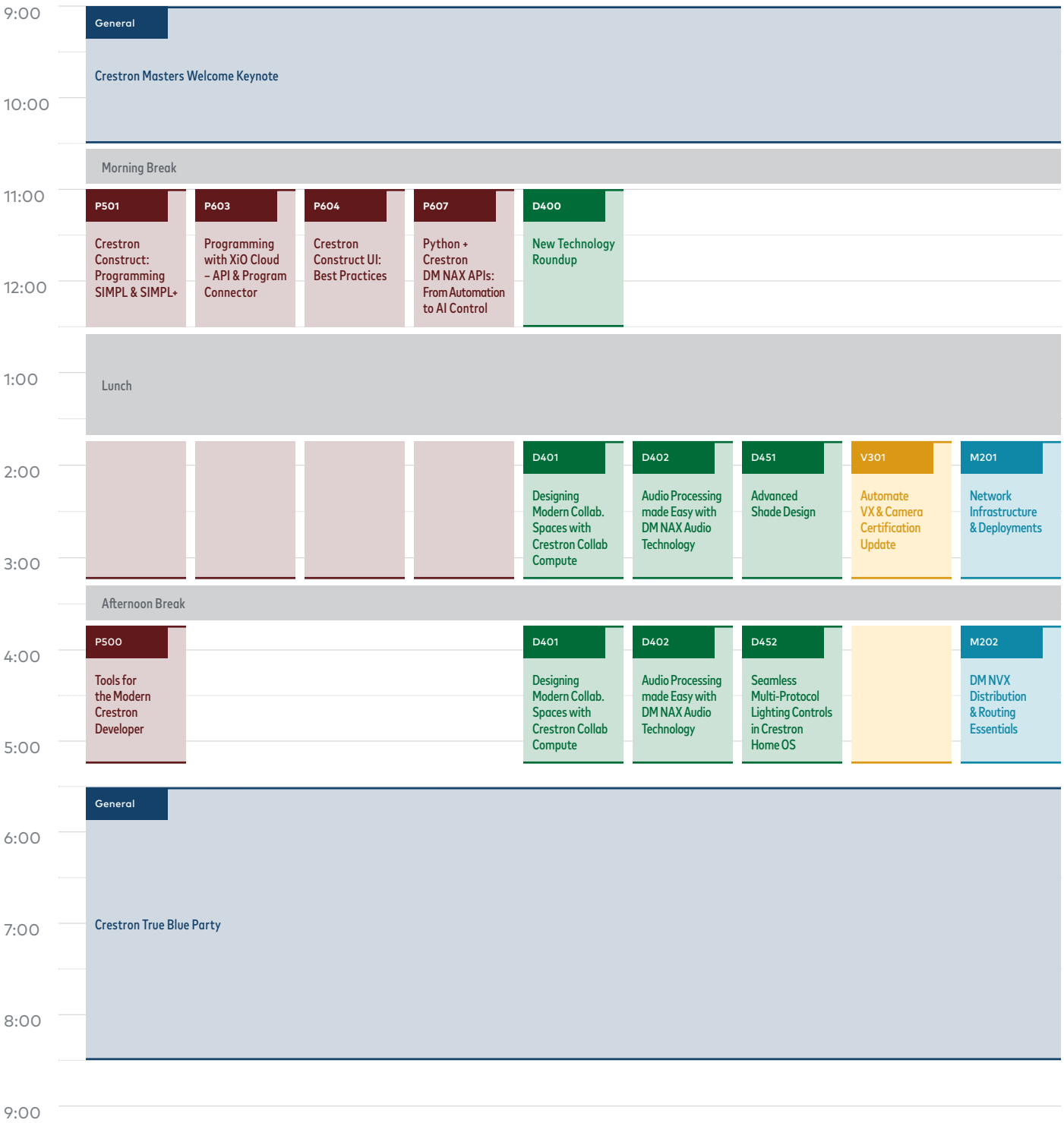


Schedule at a Glance

Tuesday, November 10

Pick one session per time slot

Course Tracks: Programming | Design | Intelligent Video | Modern Work | General Sessions | Meals & Breaks

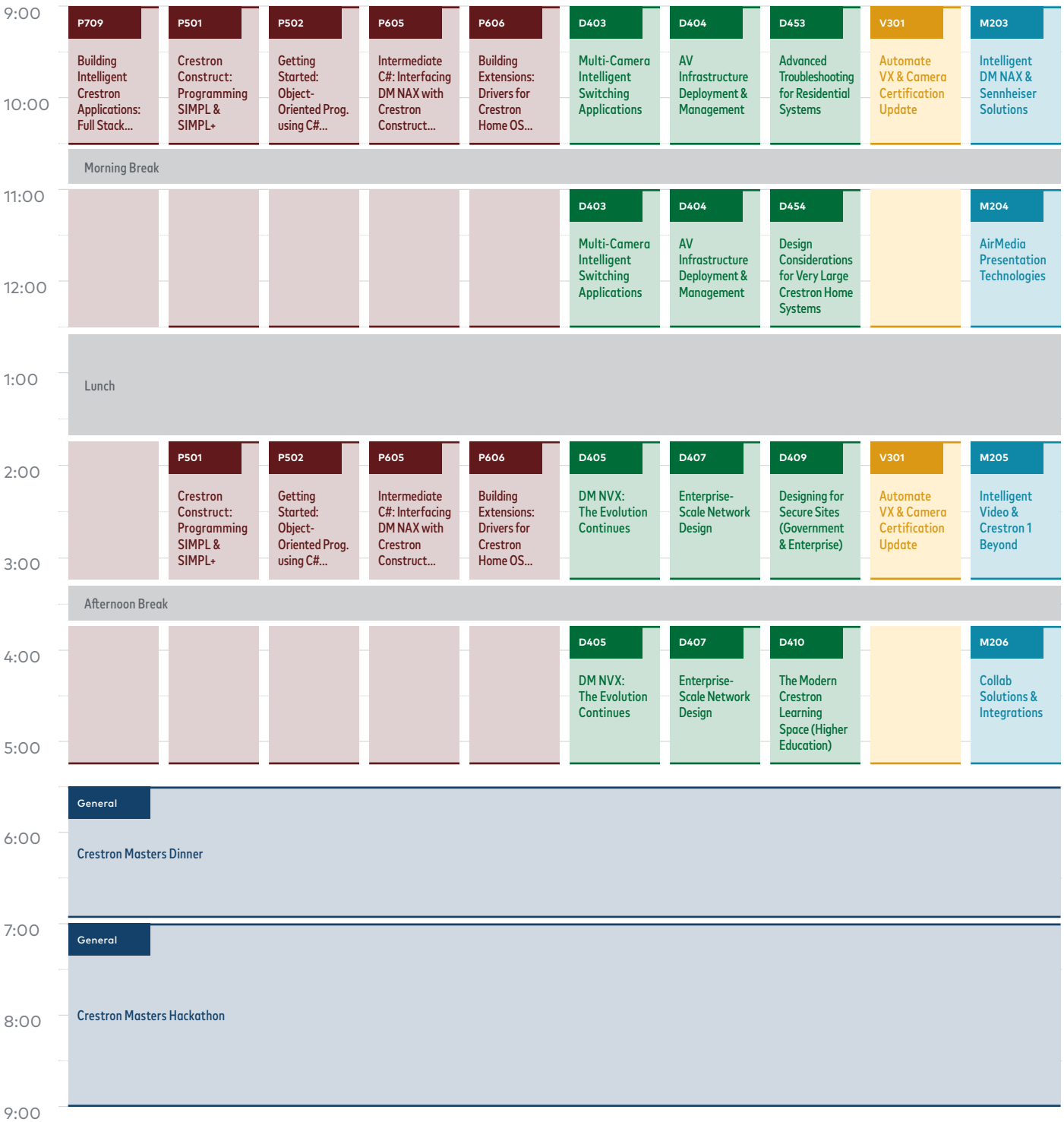


Schedule at a Glance

Wednesday, November 11

Pick one session per time slot

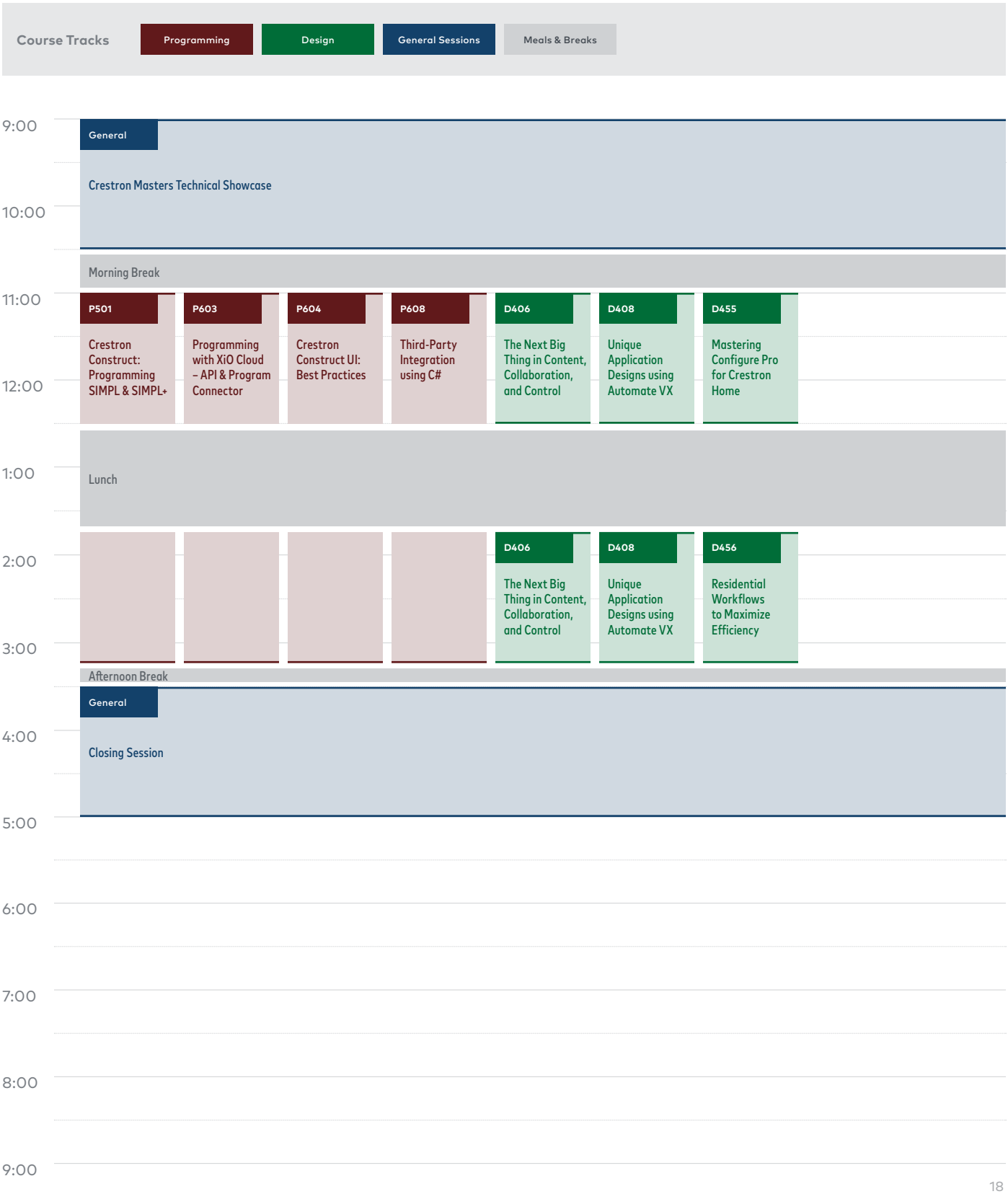
Course Tracks: Programming | Design | Intelligent Video | Modern Work | General Sessions | Meals & Breaks



Schedule at a Glance

Thursday, November 12

Pick one session per time slot





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