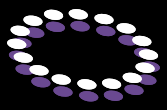

WirelessInstitute

/// TRANSFERRING WIRELESS INNOVATION THROUGH EDUCATION ///

LCC

/// TRANSFERRING WIRELESS INNOVATION THROUGH EDUCATION ///

WirelessInstitute

st changing world of wireless,
ave successfully conducted
sfer projects and have taught
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S:

nd having the technical expertise
ula that are practical, rigorous

interest in one technology
c, we can provide objective,
transfer in all major

classroom trainers; they are
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all aspects of the topic.

b levels from technician to
nagers to industry professionals.

Here are some examples of current curricula:

- Design and Optimization Curriculum (DOC) provides the core wireless engineering knowledge and skills required to design and optimize a 2G, 2.5G, or 3G, mobile or fixed wireless network in any technology.
- GSM Network Engineering offers a comprehensive curriculum that provides the core wireless engineering knowledge and skills required to design and optimize networks that deploy GSM or GSM-based technologies such as GPRS, EDGE, and WCDMA/UMTS.
- The Wireless Institute's 2G/2.5G Technology Evolution Curricula are a set of evolving 2.5G to 3G migration courses that combine essential theory with the field know-how and lessons learned from several years of experience in design, implementation and optimization of wireless networks. The technology evolution course is aimed at understanding the logical step by step process for network upgrades, with emphasis on key success factors that will enable the migration plan and subsequent operation of the dual network.
- WCDMA/UMTS Network Engineering Curriculum is an evolving sequence that builds on the strong foundation established in the core wireless engineering curriculum (DOC). This course is a culmination of field-based knowledge derived from years of GSM and CDMA network design and performance engineering on multi-vendor platforms. It tackles all aspects of UMTS network build-out including interface specifications, network design and dimensioning/network overlay, implementation and network optimization.
- The CDMA2000 Network Engineering curriculum builds on the strong foundation established in the core wireless engineering curriculum (DOC). LCC's pioneering work on IS-95, CDMA2000 and EVDO, created a knowledge base that formed the basis for this course. The course deals with all aspects of the cdmaOne family of standards, including design, optimization and performance engineering, covering about three vendor platforms.
- The Network Deployment and RF curriculum addresses the job-skills training requirements of the many disciplines involved in rolling out wireless networks.
- The Institute also offers a wireless literacy curriculum aimed at the diverse information needs of the many non-engineering professionals and managers who work for or with companies involved in wireless.

>>> ABOUT LCC

LCC's Wireless Institute was established in 1988 to provide education and practical training to the wireless industry. Today, the Wireless Institute remains a premier provider of cutting-edge broadband network technology training and knowledge transfer.

www.LCC.com

/// THE KNOWLEDGE THAT POWERS THE NETWORK™ ///

The wireless industry has become global in its scope and ambitions. LCC has grown to serve it. Today our work force unites people from more than 50 nations, working together on every continent worldwide except Antarctica. We are truly as diverse as the world we serve. LCC offers one of the largest, deepest teams of brilliant, committed, determined engineering, deployment, operational and business professionals in the wireless world.

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>>> TRANSFERRING WIRELESS INNOVATION THROUGH EDUCATION

The Wireless Institute delivers the knowledge that powers the world's networks in the carrier, manufacturer and content provider communities. Every major manufacturer as well as most of the world's major network operators sends their engineers to the Wireless Institute for training and professional education. Clients include renowned industry leaders like O2, Mannesmann, Telefonica, Telfort, AT&T, Cisco, Lucent, Motorola, Sprint, SK Telecom, LG Telecom and others.

As the wireless industry's premier training and knowledge transfer organization, LCC's Wireless Institute was the first to introduce a complete engineering curriculum, an engineering certification program, on-line engineering curriculum, and a comprehensive set of certification programs in wireless engineering and wireless network deployment. Today, the Wireless Institute continues to train the industry in cutting-edge broadband network technologies such as UMTS, EVDO and WiMAX.

LCC's Wireless Institute designs courses with technical and best-practices information gathered from throughout the industry. As a result, the Institute has trained many of the top engineers at the leading companies in the telecommunications industry. As the Wireless Institute has no vested interest in a particular technology or product, its courses are independent and objective.

LCC's highly accomplished faculty consists of engineers and deployment specialists, who combine advanced degrees with experience in hands-on design, research and development, deployment, management, consulting, and education. Most importantly, they have a passion for teaching and go the extra mile to help relate course material to a client's background and needs.

Courses are taught at LCC's headquarters outside of Washington, D.C., via the Internet, and at client locations around the globe.

>>> CERTIFICATION PROGRAM

The Certification Program prepares engineers to engage in all aspects of a specific technology network build-out. The program starts with a general overview of the technology specifications, coupled with network design and dimensioning (or network overlay design in an evolving network), and progresses into detailed treatment of implementation issues and pre-launch network optimization. The certification sequence finishes with a module centered on post-launch network performance optimization, also known as performance engineering.

>>> CURRICULA

The Wireless Institute's curricula are much more than a collection of seminars addressing popular subjects in the industry. They are rigorous courses derived from an ambitious knowledge-capture approach, backed by two decades of real-world experience. Most Institute courses are developed and taught by industry practitioners who also have doctorates or university experience and an enthusiasm for teaching.

>>> When it comes to training in the fas
LCC's Wireless Institute leads. We h
large international knowledge trans
thousands of classes in many langu

LCC'S WIRELESS INSTITUTE OFFER

Real World Experience

Drawing on 25 years of experience, a
in-house allows us to develop curricu
and comprehensive.

Objectivity

The Wireless Institute has no vested
or product. Being technology agnosti
independent training and knowledge
wireless technologies.

Superior Instruction

Our faculty members are more than
practicing subject matter experts wit
along with a real passion for teaching

Research

Our certification programs are groun
capture projects that identify industr
and create courses that encompass

Unparalleled Breadth

Our curricula cover the needs of all jo
executive, from the non-technical ma