



are technologies

are certified wireless professional

Education for the Wireless World...

bit by bit – wave after wave

Wireless

computing, communications and convergence

- the emerging next Generation world !

Technology has always defined the course of human life.

With the dawn of a new millennium, the way information is exchanged has been taking a paradigm shift. Following in the footsteps of the PC and the Internet, the third phase of the Information revolution is beginning to take off with computing and communication going Wireless...

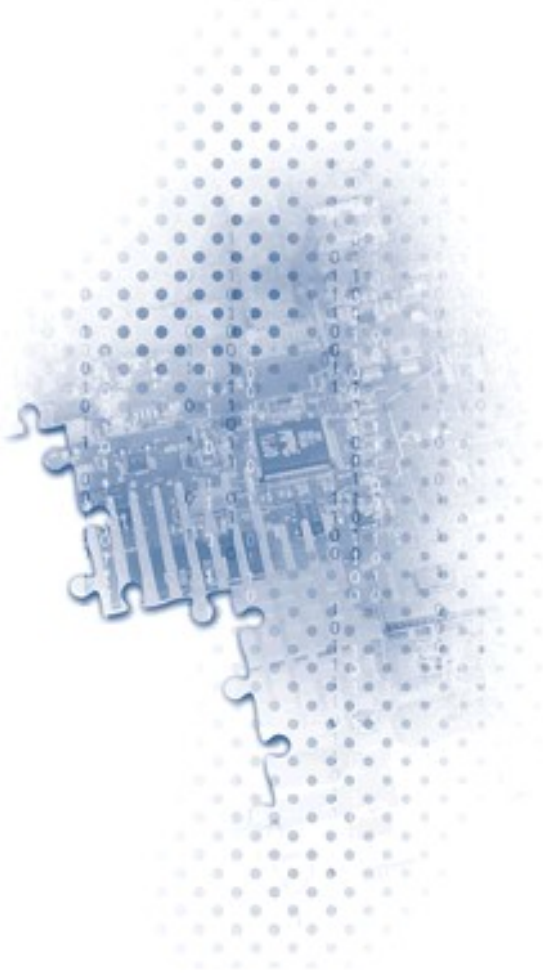
Technologies are transcending all human barriers of communication at an exponential pace. There is a continual shift in the way we live with information each day. For instance, consider the entertainment models—from the theatre, to the TV, and now to a small mobile handheld device. That's right! You no longer have to be at home to watch an episode of Star Trek. You can watch your favorite movies, attend video-conferencing, and access your organization's corporate Intranet while moving anywhere and at anytime!

All converging on one mobile device !

In the past you may have had to sit in front of the PC to type in your e-mail. Today you can sit in your swimming pool with your Wireless device and do the same things. Take out your Digital pen, write out your e-mail on the screen pad, press a button, and it's sent! If you are still uncomfortable, dictate your mail in your own voice to your mobile device and let it do the rest !!! Fast, Simple, and Easy...

That is what the present and future is all about.

How is this going to happen? There is a new phenomenon that is driving this new wireless world order – the phenomenon called CONVERGENCE. The boundaries that separate the computer, media, and telecommunication industries are fast disappearing; giving way to a new breed of professionals required to build this wireless and Convergence world.



The problem...

companies are struggling to fill wireless positions

"Companies are struggling to fill wireless positions. It typically takes two to three times longer to fill a wireless programming position than other types of IT jobs. And wireless architects (network specialists) that provide the 'nuts and bolts' of how to get a wireless project up and running are even tougher to find"

(Jack Gold - an analyst at the Meta Group Inc.) Julekha Dash and Lee Copeland Gladwin,
Computer World

World-wide revenues of wireless industry are predicted to grow from over \$3.3 trillion in 2011 to over \$5.1 trillion in 2016.

"One of the greatest successes in this industry in the last twenty years (is) the growth of wireless services"

(Austin Schilick FCC General Council, May 6, 2010)

"We are now in the beginning the next transformation in Information Technology: the wireless broadband revolution"

(Barack Obama, US President, June 28, 2010)

In 2015, mobile devices will exceed the home PC base installed <http://digitallife.neolabels.com/>

Estimates of productivity gains from wireless broadband services: more than \$860 billion between 2005-2016

Source CTIA.org

"In today's high-tech world, technological advances can lead to a situation in which not enough IT workers are capable of tackling issues and challenges related to those new developments. For example, security and wireless are two fields experiencing skills shortages at present."

(Elizabeth Milliard - Ecommerce Times - July 15, 2003)

With such huge opportunities in this emerging market, where are the professionals who build this new world?

If we draw our attention to the number of professionals required to architect this world, there is one fact that comes in mind – the supply simply does not meet the demand. Unlike the PC or Internet technologies, there is no professional training standard available in the Wireless space that covers the entire domain.

The solution...

ARE Certified Wireless Professional

With research and development spanning over ten years in the field of Wireless Computing & Communications, ARE TECHNOLOGIES (ARE) present ARE Certified Wireless Professional (AceWP) Training & Certification Programs—the first industry standard, top-vendor specific, training and certification programs in the wireless and convergence domain.

ARE (Advanced Radio Engineering) TECHNOLOGIES is a front-runner research and development company in the Wireless Convergence space. A meeting of the best minds in industry and academia has brought together the creation of the ARE Programs. The AceWP training defines a sound skill-base necessary for the professional in this emerging field of anywhere-anytime computing.

AceWP Programs

ARE Certified Wireless Professional

ACWT (ARE Certified Wireless Technician with Four Specializations)

ACWE (ARE Certified Wireless Engineer with Five Specializations)

ACWD (ARE Certified Wireless Developer with Five Specializations)

ACWA (ARE Certified Wireless Architect with Five Specializations)

CAI (Certified AceWP Instructor)

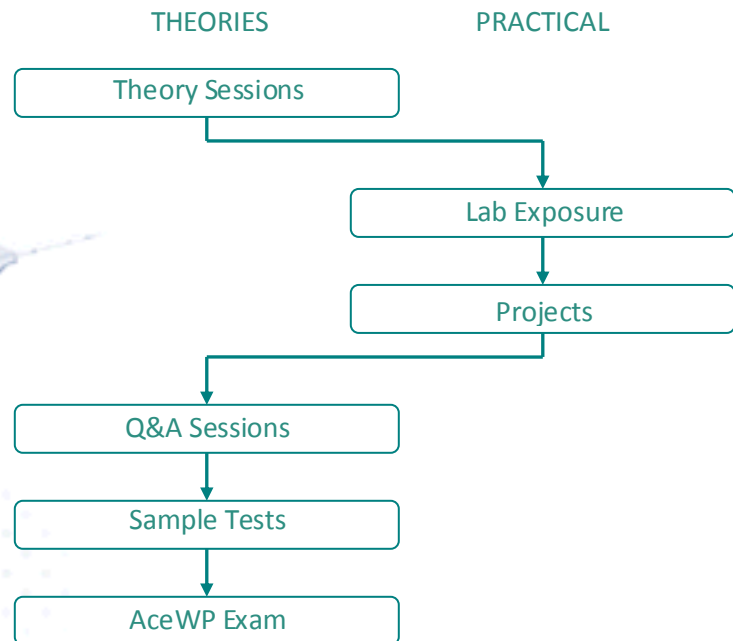
AWPMP (ARE Wireless Project Management Professionals)

AWSP (ARE Wireless Sales Professional with Three Specializations)

ARE Curriculum

The ARE Education Process

The curriculum design and development of the program have been engineered through years of intensive research and through an exhaustive series of beta-tests and pilot runs. Enlightened by the industry and the academia, the ARE student gains technical insights from the basic to the most advanced form of information and communication technologies. The following presents the ARE Training methodology.



ARE Examinations are available through Authorized Prometric Testing Centers (APTC) owned by Prometric Inc. in 141 countries over 4150 locations worldwide. Prometric Inc. is the organization that is trusted to distribute such exams such as GRE, GMAT and TOFEL. They are also the primary centers for the examinations by Microsoft, Cisco, Novell, Sun Microsystems and Oracle.

ACWT

ARE Certified Wireless Technician

...your first step in a technology career ...



The ARE Wireless Technician (ACWT) Program is designed primarily for those without the background in technology. It was created as a perfect entry point for the technology novices who wish to begin a Wireless Career.

Organizations are deploying different innovative Wireless solutions globally. Companies such as Comp-USA and Wal-Mart are migrating to RFID-based inventory management in all their warehouses and stores. There are others such as Vonage and Cisco who are driving the adoption of Voice (VoIP) Over WLAN in small to large enterprises. There are also operators such as AT&T, T-mobile and Sprint who are implementing WLAN networks as a natural extension to their Wide area cellular networks in partnerships with chains like Starbucks and McDonalds, in turn driving the need for the big number of Wireless technicians.

In this emerging space there are problems too. One of the problems that companies are facing is hand-set repair and replacement to the approx. 3 billion worldwide cellular subscribers. In the US alone, 77 million new hand-sets are rolled-out every year (Out of which about 20% are repaired due to technical faults).

All these job functions need technicians with practical training to cater to these various job requirements. Spread across four specializations areas, the ACWT aims to build technician-level know how in this rapidly emerging areas: RFID (Radio Frequency Identification), WLAN (Wireless Local Area Network), VoWLAN (Voice Over WLAN) and Wireless Handsets and Handhelds Repair.

ACWT

ARE Certified Wireless Technician


Choose one or all four tracks depending on your background and areas of interest...

Track 1 ARE Certified RFID Technician (20 hrs.)	<i>RFID System, Operating principles, RFID Antennae, Transmission, Frequency ranges, Space ISO standards, RFID Tags, Transponders, Readers, Configuring RFID Solutions, RFID Middleware, Application Software, Data Security, Transport, Ticketing, Access Control, Industrial Automation, Medical, Sport Applications, Inventory and Container Identifications Food processing Industries, Animal Monitoring.</i>
Track 2 ARE Certified WLAN Technician (20 hrs.)	<i>WLAN Standards – 802.11 a,b,g,n, WLAN Equipments, Installation and Configuration of Client Devices and Client Software, Setting up of Ad-hoc and Infrastructure networks, Configuring Access Points/Routers/Bridges/Switches, Internet Connection Sharing in Ad-hoc and Infrastructure modes, Security Implementation.</i>
Track 3 ARE Certified VoWLAN Technician (20 hrs.)	<i>Introduction to VoIP, 802.11 a,b,g,n Standards & Equipments, Network Architecture, Introduction to VoWLAN, VoWiFi Equipments – Client Devices, APs, Switches, Routers, VoIP Servers, Setting up of VoWLAN, Interference issues, Voice Clarity Issues, Bandwidth optimization, Phone settings and Call configuration and Security Implementations.</i>
Track 4 ARE Certified Handset Technician (20 hrs.)	<i>Handset Overview, Design, Parts, Handset Software, Memory Storage, IMEI, MSISDN, PIN, PUK, SIM, Vendor Models, Software and OS loading/reloading, Repair Software, Kits and Tools- Unlocking Tools, Flash Files, LOGO Manager, Eraser, Reader, Phone Toolbox, Screensaver, Ringtones & EEPROM Tools, Download SW, Cable Set for Flashing, Flashing Kits.</i>

ACWE

ARE Certified Wireless Engineer

...your first step towards designing the shape of the future...



The ACWE program is designed primarily for the students who have prior IT or ICT experience, or who have graduated in degrees in Computer Engineering/Science, Electrical/Electronic Engineering and/or Telecommunications. ARE recommends that all non-engineering majors and engineering students in other disciplines should take the prerequisite ARE Preliminary Course. The ARE Prelims are prerequisites to the ACWE Training sessions and are aimed at bringing a minimum required level in class for meaningful Training sessions. The prerequisites include the basics of programming, networking, databases and fundamentals of Electronics and physics. These prerequisites are essential to the successful completion of the ARE Wireless Engineer Program.

The ACWE certification exam eligibility is reached upon successful completion of the ARE Wireless Engineering Program. This course can be taken in full or part time status. The duration of ACWE course is 80 hours of Instructor – led training including 40-60 hours of hands-on Lab Practice.

ACWE will have continuing re-certification requirement every three years to ensure that you have the latest skills and technical expertise in the Wireless Convergence Space. Further specialization and expertise in Wireless Technologies are attained in second and third levels, designated as ARE Certified Wireless Developer and ARE Certified Wireless Architect, respectively.

ACWE Prelims

the preparatory course module

ARE preliminary course for non-engineering major and engineering major from the others disciplines

<i>Prelims Track 1</i>	Operating System Fundamentals C Programming, OOPS Concepts and C++ Programming, JAVA Programming (only J2SE) .NET Framework and C#, VC++ and Win32 API Programming HTML, XML, HTTP, HTTPS, JAVASCRIPT, RDBMS
<i>Prelims Track 2</i>	DSP Fundamentals, Filters & Transforms Basic Computer Architecture Analog and Digital Communication Fundamentals RF Fundamentals, Antennae Parameters Programming in C and Assembly
<i>Prelims Track 3</i>	Operational Knowledge of OSI, TCP/IP, ATM, Frame Relay, ISDN, X.25 and SNMP Public Key/ Private Key encryption. Signaling and Modulation Techniques Radio Frequency and Antennas
<i>Prelims Track 4</i>	Operational Knowledge of OSI Layers, Network Types – PAN, LAN, MAN and WAN, Topologies – Bus, Star, Ring and Mesh, TCP/IP Addressing, Sub-netting & Routing, SNMP, DHCP and DNS Public Key and Private Key encryption
<i>Prelims Track 5</i>	C Programming Techniques OOPS concepts and C++ Programming Win32 API Programming Operating system Fundamentals, Posix API Libraries Microprocessors & Microcontroller Architectures and Assembly Programming

ACWE

ARE Certified Wireless Engineer

Choose one or all five tracks depending on your background and areas of interest

ACWE Track 1 Wireless Application Development (80hrs.)

J2ME –Java in wireless environment
WAP Programming, WML, WML scripts and Graphics, Push
Linux Architecture and programming
Window CE Architecture and Programming
Symbian OS, Android OS, iOS, Blackberry OS & Applications
Voice Content Applications- Voice XML
Multimedia Messaging Service- MMS Applications
Location Based Service-LBS Applications

ACWE Track 2 Wireless DSP, RF and Antennae (80hrs.)

Wireless Signal Process Algorithms
Power Control – Design and Techniques
High Performance DSP and Techniques
Signal processing in OFDM (UMTS and WLAN)
Signal Processing in CDMA and WCDMA
Signal Processing in GPS and GIS
Wireless Multimedia Signal Processing
RF and Baseband designing
Antennae Design and analysis

ACWE Track 3 Wireless Telecom Carrier (2G,2.5G,3G,4G) (80hrs.)

Signaling system # 7
GSM, GPRS & Enhanced Data Rate Global Evolution (EDGE)
Short Messaging Service (SMS & MMS)
Code Division Multiple Access (CDMA) one
CDMA 2000 – 1xRTT & 3xRTT
WCDMA & Universal Mobile Telecommunication System (UMTS)
Wireless in Local Loop (WLL)
Long Time Evolution (LTE), HSUPA, HSDPA
Satellite, Global Positioning System (GPS) and 4G Technologies

ACWE Track 4 Wireless Networking and Security (WPAN, WLAN & WMAN) (80hrs.)

Bluetooth and its profiles – Wireless Personal Area Network
IEEE 802.15 (UWB and Wi-Media) – WPAN
IEEE 802.11 a (Wi-Fi) – Wireless Local Area Network
IEEE 802.11 b (Wi-Fi) – Wireless Local Area Network
IEEE 802.11 g (Wi-Fi) – Wireless Local Area Network
IEEE 802.11 n (Wi-Fi) – Wireless Local Area Network
IEEE 802.16(Wi-Max) – Wireless Metropolitan Area Network
Wireless Mesh Networks
Wireless Security Implementation Enterprise
IEEE 802.11 i, WEP, WPA, EAP types

ACWE Track 5 Wireless Embedded Systems (80hrs.)

Advanced RISC Processors
ARM and Strong ARM Platform for Wireless
Real Time Operating System (RTOS) in Wireless
VLSI Chip Designing in Wireless
Device Driver Programming for Wireless Platforms
Bluetooth Embedded Applications
GSM/GPRS/CDMA Embedded Applications
802.11 x Embedded Applications
GPS Embedded Applications

Important : ARE TECHNOLOGIES recommends that-All Non-Engineering and Engineering Professionals in other Disciplines undertake the Preparatory Course Module(ArePrelims) before starting with the ARE Wireless Engineering Program.

Advance Further...

... lead an innovation!

Post-graduate with ACWD; Gear-up for your Research with ACWA.

Once you qualify as an ARE Wireless Engineer, a world of opportunities opens up for your career. Now it's the time to decide whether you want to further train in your chosen wireless space! As an ARE Wireless Developer, you will gain different skills based on the specialization module you select. Whether it is specializing in Wireless Application, Wireless Networking OR Embedded Systems, the course of the feature is in your hand. ARE has always fostered the drive for the innovation in the minds of individuals. In the ARE Wireless architect program, you achieve recognition as wireless scientist who shapes the destiny of inventions!

level 2 – ARE Certified Wireless Developer (ACWD)

Duration: 200hrs. including 125-150 hrs. of Lab Practice for each track

Track 1: Wireless Application Development

Track 2: Wireless DSP, RF and Antennae


Track 3: Wireless Telecom Carriers (2G, 2.5G, 3G, 4G, 5G)

Track 4: Wireless Networking & Security (PAN, VPN, WLAN & MAN)

Track 5: Wireless Embedded Systems

level 3 – ARE Certified Wireless Architect (ACWA)

Duration of Exam: 2 hours written paper and 4 day Lab Test at ARE Labs for each track



The ARE Wireless Architect Program is design to further enhance each of the specialization taken in the developer program. There is no classroom training offered for Level 3. This curriculum involves self study, attending international seminar (conducted by ARE Technologies), interactive online sessions, etc. The exam involves a 2 hour written paper and lab test spending over 2 days for each specialization taken. Level 3 benchmarks the ultimate level of wireless expertise. Candidates who pass this exam are called 'Architects' in their respective fields

Track 1: Wireless Content Development

Track 2: Wireless DSP, RF and Antennae

Track 3: Wireless Telecom Carriers (2G, 2.5G, 3G, 4G, 5G)

Track 4: Wireless Networking & Security (PAN, VPN, WLAN & MAN)

Track 5: Wireless Embedded Systems

AWPMP

ARE Wireless Project Management Professional

...step up your corporate ladder-

Once you have gathered the requisite Wireless technical expertise, it is time to gear up for your Wireless Project Management certification. The ARE certified Project Management Professional Program is designed for mid-career professionals to provide momentum to their Wireless career aspirations.

An AWPMP training and certification demonstrates an unparalleled level of mid-management recognition in the Wireless Industry. This training is centered on the track specialization chosen in the ACWE (ARE Certified Wireless Engineer). It provides the project leadership and management skills that are necessary for "Doing it right the first time"

The AWPMP covers the entire projects life-cycle from the initiating phase, planning and design, execution and finally to completion. Whether the profession is in charge of Developing a Wireless Application, deploying a wireless network or creating a wireless system, the AWPMP provides the right project management expertise. The AWPMP experience helps Project leaders and managers apply the knowledge, skill, tools and techniques to initiate to plan, execute, control and close processors. From project scoping and integration for controlling the project costs and resources, the AWPMP brings the experience to complete the quality wireless project on time on budget.

The prerequisites for an AWPMP aspirant is a minimum of three years of practical work experience (with at least one year as Tech-Lead) in the IT or ICT space. Additionally the AWPMP candidate is required to have passed at least one or more ACWE exam(s).

AWPMP

ARE Wireless Project Management Professional

Instruction Time: 40 hours

- Wireless Project Management Basics- Philosophy and Structure
- Quality Tools for Wireless Project Management
- Wireless Project Resource and Analysis and Validation
- Requirement Analysis and Validation
- Project Scheduling
- Maximizing Project Team relation
- Project Communication Protocol
- Project Charter
- Risk Quantification
- Risk Response and Control
- Activity Sequencing and Duration Estimation
- Time – Tested Techniques
- CMMI and Six Sigma Approaches
- Process Management
- Project Scope Management
- Project Budget Management
- Project Time Management
- Project Cost Management
- Project Risk Management
- Project Quality Management
- Project Procurement Management
- Project Communications Management
- Project Human Resource Management
- Project Integration Management
- Professional Conduct and Ethics

Important: ARE recommends all AWPMP aspirants undertake the ACWE before they begin with ARE Wireless Project Management Professional Program.

CAI

Certified AceWP Instructor

...step up your teaching career...

The entire wireless training eco-system is founded on the basis of extraordinary professionals who possess the power of knowledge combined with a flair for teaching.

Once you have gathered the required wireless technical expertise, you are equipped with the ability to pursue an exciting career path in training others. Translating knowledge into practice and imparting that knowledge to others through a process of innovation is a rewarding experience that can open the door to numerous exciting roles

Many experts believe that teaching is the best way to learn. And, this is precisely what the CAIs demonstrate in their day-to-day responsibilities. Not only do they train and help to certify diverse professionals, but they also act as a guide for students further down the ARE Wireless Community.

As a CAI, you are also awarded a position of AceWP Forum Coordinator. AceWP Forum is an initiative to build the ARE Wireless Community globally. This community serve as the global platform to exchange knowledge and solve day to day implementation problem faced by professionals of the ARE wireless Programs. As a Forum coordinator you will be a mentor and guide to the Ace Wireless Professionals working in the industry.

Prerequisites to the CAI Programs include, the successful completion (minimum score of 85%) of any of the ACWT, ACWE programs and a passing score on the TOFEL or equivalent English examinations (or those who cannot appear for TOFEL or equivalent, ARE provides an in-house exam known as ELTT-English Language Test for Trainers). ACWT qualifiers are known as CAI-Technician and ACWE qualifiers are known as CAI-Engineer.

CAI

Certified AceWP Instructor

Instruction Time: 40 Hours

- AceWP 12 Components Study
- Instructor Manuals and Lab Manuals Study
- AceWP Ten Step Process review and implementation
- Instructor Projects Exposure
- Students Project Exposure (Lab work Sessions)
- Students Project Exposure (Course Work Sessions)
- Behavioral Leadership
- Wireless Eco-System Acquaintance

Important: *ARE recommends all CAI aspirants should undertake the ACWT or ACWE before they begin the Certified AceWP Instructor Program.*

ASWP

ARE Wireless Sales Professional

...step in to a wireless sales career...

The ARE Wireless Sales Professional Program is designed primarily for those who want to build a career in business development, marketing, sales and/or as a business analyst in Wireless Industry. The AWSP was created as the perfect entry point for beginning in wireless business.

With a booming industry trend of an estimated \$3.3 Trillion and close to 2 Billion consumers—there is a tremendous need for innovative and customized business solutions. ICT companies that provide wireless products and services have been struggling to train and retain skilled marketing talents. In the wake of the industry-wide shortage of skilled marketing professionals, companies often end up in a bidding war for trained wireless business professionals.

The AWSP is a 40-hour training program that is designed to give professionals an effective skill set in wireless sales and negotiations. The basic premise of building the AWSP is to provide sales professional with techno- Commercial knowledge combined with valuable industry statistics .

The AWSP is equipped with tools that are effective in wireless sales and marketing—one who would be able to work with the technical team to help provide end-to-end solutions and strategies. The insides gained through this program would help sales professionals in the pre-sales positioning of their company's products and services, help them identify targets for potential business and close sales accounts.

ASWP

ARE Wireless Sales Professional

Track 1
AWSP- Wireless Applications
(40hrs.)

Sales process introduction, Wireless applications
Industry overview, Applications Overview, Industry
Segments, Industry Statistics and technology SWOT
Analysis- Linux Vs. Windows, J2ME Vs. J2SE,
Symbian OS Vs. Blackberry OS Vs. Android Vs. iOS,
iMode Vs. WAP, LVS Vs. MMS.

Track 2
AWSP- Wireless Embedded
(40hrs.)

Sales process introduction, Wireless embedded
Industry Overview, Industry Segments, Industry statistics and
technology SWOT analysis-DSP Vs. RISC Vs. CISC,
ARM Vs. FPGA Vs. OMAP, VxWorks Vs. QNX Vs.
WinCE Vs. RTLinux, Verilog Vs. VHDL

Track 3
AWSP- Wireless Broadband
and Security
(40hrs.)

Sales process introduction, Wireless Network & Security
Industry overview, Industry segments, Industry Statistics and
Technology SWOT analysis- WPAN Vs. WLAN, WMAN Vs. WWAN,
Infrastructure Vs. Ad-hoc Vs. Mesh, Bluetooth Vs. UWB,
802.11a Vs. 802.11g Vs. n, 802.16 Vs. 802.11a/b/g/n extended,
GSM Vs. CDMA, 2.5G Vs. 3G vs. 4Gs. 5G

ARE Certifications

What does ARE Certification mean for You ?

"Entry- level engineers can earn \$60,000 to \$70,000 and Senior Engineers \$160,000 because the demand is so intense. 'Often, there are bidding wars for experienced engineers with strong wireless backgrounds,' says Mike Hurlston, VP of Marketing at Oren Semiconductor Inc. "

Bob Weinstein, Chicago Sun-Times Careers.

"If you don't parlay your certification into a raise in the short term, it will, nonetheless, add to your base knowledge and qualifications, which should pay off in the long term."

Ann Martinez of gocertify.com

In the wake of the ever-increasing demand of Wireless and Telecom Professionals, the need for an industry-wide practice standard has become crucial. This is why the ARE certifications are so essential to the wireless computing and communication industry.

ARE wireless professional certifications verifies that you have achieved a certain level of expertise in the wireless networking communications and mobile computing space.

As a ARE Certified Wireless Professional, are certification built at-test to your current or future employer that you have the requisite skill set that they are looking for.

ARE Certifications not only adds to your marketability in the job market place, they may also translate into increased salaries. ARE Certifications gives you the hands-on experience that employees are always seeking. Through our unique Lab practical, you gain exposure to complex projects that often persons with 2-3 years of experience in industry can only handle.

In the post DOT-COM era, Wireless is only the industry segment that has demonstrated steady growth & has been among the first ones to drive the recession recovery due to its productive potential in cutting cost while increasing productivity. Throughout the world there is a need for people to go Wireless!!

With this promising trend ahead, AceWPs prove to be smart professionals who have the latest know-how and are considered valuable assets to the companies.

According to various estimates in the US alone, nearly 600,000 Wireless Professionals are required in the 3-4 years across the different Wireless Domains. World-wide, these figures are far higher.



Call to companies

Hire Qualified personnel

ARE Education: A way to guarantee your company's success

A wireless enterprise (Internet/Extranet/SCM/CRM) has proved to save efforts, costs and resources and increase productivity to organizations

Installing your wireless network or writing a wireless application is only the beginning of your network and business needs. You will also need highly skilled personnel to keep your process efficient and up-to-date. In fact, recent report indicates that up to 59% of total cost of installing and maintaining a process is attributed to staffing. So if your wireless staff is not equipped to handle complex problems, your company will not maximize its technology investments.

Perhaps you may decide to develop an initial training internally. Are you willing to risk the time and money without any guarantee of competency or efficiency for your efforts? According to various estimates, the cost of bringing an untrained employee up to speed can come close to \$50,000 per employee. The induction time required to train an employee in-house is extremely unproductive for the company and requires constant supervision.

Put your trust in ARE Wireless Training where your employees become your cooperative assets at a fraction of your total internal overhead costs. Companies with ARE certified employees realize a better on-the-job performance, increase growth and experience a high return on their investments. In fact, most companies realize a financial payback in less than twelve months.

ARE certification and training are smart support strategies in today's multi-network and multi-platform world

With ARE's grant support vehicles, many companies qualify for a grant and therefore pay nothing or very small amount to get your work-force trained!

To locate the nearest ARE TECHNOLOGIES authorized Wireless Competency Center (ATWCC) and ARE offerings for your cooperative training needs OR to inquire about becoming an ARE Wireless Competency Center- please do mail us at contact@acewp.com

Call to innovators and self-believers

*“ The best way to predict the future
is to create it “*

ARE has been an innovation driven company and it loves driving innovation and entrepreneurship and helping innovators realize their dreams of creating new applications, products or services. If you dare to dream, dare to innovate ARE has the expertise to provide wings to your dreams.

ARE respects innovators and entrepreneurs and supports innovation and entrepreneurship by leveraging its over-a-decade-of-innovation experience and through crowd sourcing under its Idea, Incubation (I cube) program.

During the AceWP training, ARE has helped developed innovators over the past 10 years by challenging them to think out of the box through creative and challenging project that come at the very top of the skill value chain. While you learn to innovate during your AceWP training experience, should you dream to develop your product or service, ARE can help develop your prototypes. If your product or service is a cool idea, ARE will extend mentoring a help to connect you with investors and/or customers.

Ideas are chosen through a competitive process through out until the final proto-type and beyond, towards tangible outcome as long as you and your team are committed to make your ideas successful.


If you think you have something to discuss, submit your ideas at [i-cube](http://i-cube.com) at acewp.com and we can go through the rigor of fine tuning your idea. Please note that although we take at most care to respect your idea, we do not sign NDAs. This program runs as an incubator program through negotiable terms and conditions.



The Vision

*let's gear up for the wireless decade
... the phenomena called Convergence !*

*Crossroads and Convergence
the internet and wireless industry*



The internet is unprecedented in its impact upon the world community. It has touched our lives in the way communicate, promote our products, teach our children, and the way which we invest our time and socially network

The growth of internet based traffic on wireless networks has exploded, overthrowing fixed line connections. This dramatic rise in data communication's traffic can be attributed mostly to the rise in popularity of the internet and need to be productive while enjoying the freedom from wires.

The internet has brought the world on to one global platform. This global platform is driving the phenomenon of convergence in the wake of growing need for any time- anywhere computing. The boundaries that separate the computer, media and communication industries are disappeared giving way **to the next phase of the information evolution-Wireless computing and communications.**

Until not-so-long-ago the growth of computing and communications-IP (Internet Protocols) and RF (Radio Frequency) had occurred on two parallel paths. These paths have now merging into a Wireless Convergence, representing the greatest inflection point in the history of computing and communications.

For users everywhere, wireless computing and communications will mean immediate access to information without restrictions on time or location. The Wireless standards have become prevalent around the world. Over the last few years, industries projections for the number of wireless data subscribers have topped one billion voice and data users cross 3 Billion this year.

Access to the internet, corporate intranets over the mobile device and enterprise WLANs are coming from all aspects of Wireless whether it is from PAN, LAN or WAN.

Come, prepare for the revolution with ARE. Gear up for the wireless decade-the Phenomenon called Convergence.

Wireless Industry

fast facts

Large corporations all over the world are hard pushed to invent models that keep up with the growing needs of this new generation unplugged.

The Wireless Computing and communication Industry is estimated at a present size of **\$3.3 Trillion** world-wide

A steadily growing user base of **# Billion** globally-unlike the DotCom boom, the industry has been growing with its own sets of checks and balances and there seems no stop in sight due to its inherent sustainability strengths.

Mini and powerful devices like the iPhone/iPad/Android/MS Smart phones and Blackberry are exploding as the devices of choice to view the internet content while moving anywhere anytime!

Wireless LAN standard called **802.11 x** sharing your office and home networks environments with a data speed up to 300Mbps up to a distance of 300 meters is a norm day and can extend to 25 miles over MAN

Bluetooth 4.0 trans-ceive information between any electronic devices such as PCs, printers, modems, keyboards, mouse and any mobile devices over PAN.

4G Technologies like **LTE (Long Time Evolution)** and **HSPA (High Speed Packet Access)** with 20 to 100Mbps of promise are fast replacing **2.5G and 3G Technologies** like **GPRS, EDGE** and **CDMA 2000**

iMode, the popular Internet service in Japan delivering Multimedia, Video-Conferencing and 3G(Third Generation) services content along with other **3G** services like UGPS, WCDMA, CDMA 2000, operational in Europe and US data speeds up to 2 mbps to hundreds of million users world-wide.

5G is a complete version of World Wide Wireless Web (WWW) to form a real wireless world without limitation in accessing and zonal issue.

New Generation content delivery services- **LBS (Location Based Services)** or navigation and tracking system- based on **triangulation techniques**, location based information awareness provide never before services anytime and anyplace with just one request. Locate the nearest Chinese restaurant, reserve your seat, and have your food ready by the time you get there all within seconds from your mobile device





www.acewp.com
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