



# Foreign Credentials Service of America

## EVALUATION OF ENGINEERING CREDENTIALS FOR XXXXXX

**Name of applicant:** xxxxxx FCSA #65432

**Date:** March 5, 2013

**Qualification:** Bachelor of Science in Electrical and Electronic Engineering; awarded August 14, 2010;  
University of Peradeniya, Sri Lanka

**Institutional Assessment:** Founded in 1942, the University of Peradeniya is accredited by the  
government in Sri Lanka.

**Conclusion:** Based on the criteria in effect at the time the program was completed, the degree  
awarded to xxxxxx xxxxxxxx covers the curricular content specified by ABET for an  
accredited program in electrical engineering except in the following areas:

- **Humanities and Social Science:** Applicant's curriculum included 9 hours of study; 7  
further hours are needed.
- **Mathematics and Basic Science:** Applicant's curriculum included 14 hours of study; 18  
further hours are needed. Curriculum is lacking a two semester sequence in physics and  
one chemistry course.

*This report examines the academic credentials of the applicant in comparison to the academic standards required by the xxx. The report will determine if the applicant has met the prerequisites in mathematics, sciences, humanities, and engineering science and design. The report does not attempt to judge the applicant's eligibility for professional licensure. Therefore, it is to be interpreted by the xxx requirements for engineering licensure. Engineering design, laboratory experience, computer-based experience, oral/written communications and ethics cannot be evaluated without an on-site assessment. Other aspects of accreditation criteria, such as faculty quality, standards of instruction, institutional commitment, and facilities, and institutional policies regarding the admission, retention, and scholarly work of students are not considered in this evaluation.*

---

### Course Assessment:

1. Humanities and Social Science (16 semester hours required): Applicant has 9  
*Conclusion: Applicant does not meet the requirements in this field.*
2. Mathematics and Basic Science (32 semester hours required): Applicant has 14  
Math:
  - A. Studies are beyond trigonometry and are conceptual
  - B. Studies include calculus and differential equations
  - C. Further studies in engineering mathScience:
  - A. Two semester sequence in physics, one chemistry class*Conclusion: Applicant does not meet requirements in this field.*
3. Engineering Topics: (48 semester hours required): Applicant has 106  
Applicant's curriculum includes significant engineering project  
*Conclusion: Applicant meets requirements in this field.*
4. Laboratory Experience: Applicant has laboratory experience in various fields.  
*Conclusion: Applicant meets requirements in this field.*
5. Special ABET criteria for electrical engineering:  
*Conclusion: Applicant meets requirements in this field.*

*Math*

Mathematics I, II, III, IV	12
Complex Analysis	2

*Science*

None	0
<i>Total</i>	<i>14</i>

**Humanities and Social Sciences: (minimum 16 required)**

Engineer as Entrepreneur	3
Intellectual Property	1
Intro to Digital Art	3
The Engineer in Society	2
<i>Total</i>	<i>9</i>

**Engineering Science and Design (minimum 48 required):**

Material Science	3
Engineering Mechanics	3
Engineering Measurements	2
Electricity	3
Elementary Thermodynamics	3
Network Analysis	3
Electric Circuits	3
Digital Systems	3
Mechanics of Machines	3
Electrical Measurements & Instrumentation	2
Signals & Systems	3
Electric Power	3
Electrical & Electronic Engineering Lab I, II, III	3
Thermodynamics for Electrical Engineers	3
Electromagnetics	6
Electronics	3
Embedded Systems Design	2
Information Systems Engineering	3
Digital Signal Processing	2
Electrical Machines & Drives	2
Communications	3
Automatic Control	3
Electronic Design Technology	2
Optimization	3
Estimation & Identification	2
Electrical Machines & Drive Systems	3
Undergraduate Project I & II	6
Electric Power Systems	3
Power Electronic Applications & Design	2
High Voltage Engineering	3
Power System Control & Analysis	3
Communication Theory	3
Digital Communication	3
Digital Systems Design & Synthesis	3
Image Processing	3
Telecommunication & Wireless Communication Systems	3
<i>Total</i>	<i>106</i>

**Other Courses:**

English I, II	6
Engineering Drawing	2
Computing	2
Computer Programming	3
Business Law	3
Management in Practice with Case Studies	2
<i>Total</i>	<i>18</i>

***Total Semester Hours: 147***