

SUMMER I 2026 BOOKLIST

Dates: May 26, 2026 - July 6, 2026

Recommendation: please consult with the course instructor before purchasing any material.

2024 Hambley, Allan R., **Electrical Engineering Principles and Applications** (7E), New York: Pearson (2017), ISBN: 9780134484143.

Software:

MATLAB (provided with the freshman engineering software package)

Arduino Integrated Development Environment (freely available online)

Laboratory Kits:

Parts kit (given to students courtesy of ECE)

Tool kit (students must purchase. Includes breadboard, tweezers, screwdriver, multimeter)

Digilent Analog Discovery USB oscilloscope kit (owned by ECE and loaned out to students)

2714 B. P. Lathi and Roger Green, **Signal Processing and Linear Systems**, 2nd edition, Oxford University Press (2021), 1152 pages. E-book ISBN: 9780190857691; Print ISBN: 9780190299040

3004 Charles K. Alexander and Matthew N. O. Sadiku, **Fundamentals of Electric Circuits**, 7th edition, McGraw-Hill. ISBN: 9781260226409

SUMMER II 2026 BOOKLIST

Dates: July 7, 2026 - August 14, 2026

Recommendation: please consult with the course instructor before purchasing any material.

1004 Hambley Allan R., **Electrical Engineering Principles and Application** (7E), New York: Pearson (2017), ISBN: 9780134484143.

MATLAB (provided with the freshman engineering software package)

Arduino Integrated Development Environment (freely available online)

Laboratory Kits:

Parts kit (given to students courtesy of ECE)

Tool kit (students must purchase. Includes breadboard, tweezers, screwdriver, multimeter)

Digilent Analog Discovery USB oscilloscope kit (owned by ECE and loaned out to students)

2214 Ellingson, Steven W. **ELECTROMAGNETICS (I)**. i, Blacksburg, VA: VT Publishing, 2018, 225. (Available at: [Electromagnetics, Volume 1](#)) **Author offers free access to this book.**

Neamen, D. A. **MICROELECTRONICS CIRCUIT ANALYSIS AND DESIGN**. iv, New York: McGraw-Hill Education, 2009, 1392. ISBN: 9780073380643.

Required Course Materials:

The Lab-in-A-Box kit, previously used in 1004 and 2024.

12-week SUMMER COURSES 2026 BOOKLIST

Dates: May 26, 2026 - August 14, 2026

Recommendation: please consult with the course instructor before purchasing any material.

5480 Pfleeger, Charles P., Shari Lawrence Pfleeger, and Lizzie Coles-Kemp. 2024. **Security in Computing**. Sixth edition. (1040 pages) . Boston: Addison-Wesley Professional. ISBN: 9780137891214 (on-line – MIT only)

Available free online:

[Security in Computing](#)

5864 No textbook required.