IED Skills Inventory Name: _____ ***Major:*** ***Section*** ***Date:*** _____

Part 1. *Check each item in the lists of this inventory that apply to you. Place count of checked items in box at bottom of column.*

	MANAGEMENT/ LEADERSHIP		MECHANICAL		MODELING/ COMMUNICATION		ELECTRONICS/ COMPUTER CONTROL
	I want to learn more about managing a team..		I want to learn more about designing & building mechanical devices		I want to learn more about presenting, engineering models, tech writing, CAD.		I want to learn more about designing & building electronic circuits
	I have worked as a member of a team or played on a school sports team.		I can do simple maintenance on cars and household appliances.		I did especially well in Engr Graphics & CAD		I know about/want to learn more about motors, solenoids, relays, switches, & power supplies
	I own a 'daily planner' and use it to plan my semester schedule.		I have worked as a carpenter, plumber, or welder		Most consider me a 'better than average' writer based on high school or college courses, verbal SAT scores.		I have experience writing software code. (C/C++, Java, Assembly, BASIC, LabView, Python, Perl, other:_____)
	I was/am an 'officer' of a club or organization at Rensselaer.		I have my own tools for repair/assembly of machines.		I have a drafting, circuit schematic, or modeling software package.		I have used electronic breadboards and/or can read resistor color codes.
	I know about 3 or more of: PERT/CPM, Gantt chart, meeting agenda, peer evaluation, time management, concurrent engineering, quality circles.		I know about 3 or more of : pipe flange, journal bearing, relief valve, planetary reduction, pressure regulator, spline shaft, splice plate, counterbore.		I know about 3 or more of: revision block, abstract, feature control symbol, title block, reference callout, schematic, numerical integration.		I know about 3 or more of: 7400 series logic, A/D conversion, microcontrollers, PWM, NPN & PNP transistors, optoisolators, Op-Amps, grounding, current limiting resistors, voltage regulators.
	I have/am taking classes in general management or leadership training.		I like to repair cars, household devices, or do other mechanical projects		I am effective speaking to groups.		I own a soldering iron, multi-meter, etc. and have built circuits as a hobby.
	Given two members of the team can't get along, I could suggest at least two constructive ways to solve this conflict.		I could think of at least two ways to solve problems relating to shaft alignment of a motor connected to a transmission system		I enjoy learning about mathematical models of physical relationships and have done well in physics and mathematics courses		I took the Rensselaer course in electronics (Intro. to Electronics, LITEC, Electric Circuits, COCO, Electronic Instrumentation, etc.) or other electronics coursework.
	I am presently enrolled in ROTC.		I took Engineering Processes, or two or more HS shop classes, or have worked as a machinist.		I can generally organize my work in a logical manner that others can understand.		I belong to an electrical or electronic club or organization. (IEEE, RPI E-Club, HKN, W2SZ, ACM, WRPI Engineer, UPAC Sound/Lights Engineer)
	Leadership Total		**Mechanical Total**		**Modeling Total**		**Electrical/Computer Total**

Part 2. *Tell us a little about yourself and about what should be considered when placing you on a team.*

Rate using a scale of 0 (least) to 10 (most)		h. Rate your ability to work out the details of an idea.	
a. How motivated are you to do well in this course?		i. Rate your ability to keep clear documentation of your work.	
b. Rate your degree of optimism to succeed in meeting challenges.		j. Rate your CAD skills.	
c. How good are you at organizing your time and efforts?		k. Rate your report writing skills.	
d. How good are you at starting things early?		l. Rate your ability to build things.	
e. Rate your ability to plan the steps needed to reach a goal.		m. How good are you at working with others on a team?	
f. Rate your ability to take responsibility for getting work done.		n. How good are you at finishing your part of the project?	
g. How good are you at finding out things on your own?		o. . Rate your ability to come up with new ideas and concepts.	
How many hours /wk external to class will you commit to IED?	**___ Hrs/wk**	**What grade will you work to earn?**	**___**

List the strengths and weaknesses working on projects you bring to this class.

Strengths	**Weaknesses**

List any previous experience you think will help you in this class: *List below any outside activities that may interfere with this class:*

Previous Experience (will help in this class)	**Outside Activities (may interfere with this class)**

Member of fraternity or sorority? _____ Name_____ Office you hold now?_____
Varsity Sports Team member? _____ Which one?_____
List any comments or concerns. Continue on the back.