```

// Include necessary libraries
#include <LiquidCrystal.h>

// Initialize the LCD (using pins 12, 11, 5, 4, 3, 2)
LiquidCrystal lcd(12, 11, 5, 4, 3, 2);

// Define pins for voltage and current sensors
const int voltagePin = A0;
const int currentPin = A1;

void setup() {
  // Start the LCD
  lcd.begin(16, 2);
  // Initialize serial communication
  Serial.begin(9600);
}

void loop() {
  // Read voltage and current
  float voltage = analogRead(voltagePin) * (5.0 / 1023.0) * (30.0 / 10.0); // Adjust according to voltage divider
  float current = (analogRead(currentPin) - 512) * (5.0 / 1023.0) / 0.185;  // Adjust according to current sensor

  // Display on LCD
  lcd.clear();
  lcd.setCursor(0, 0);
  lcd.print("Voltage: ");
  lcd.print(voltage);
  lcd.setCursor(0, 1);
  lcd.print("Current: ");
  lcd.print(current);

  // Send data to serial monitor
  Serial.print("Voltage: ");
  Serial.print(voltage);
  Serial.print(" V, Current: ");
  Serial.print(current);
  Serial.println(" A");

  // Wait before next reading
  delay(1000);
}

```