



# Curso Arduino ESP8266

Aula #3 - Depuração de Erros

# Erros do ESP8266

- Erros de compilação
- Erros de Upload
- Erros de Execução (Reinicia sozinho)

# Erros de Compilação

- Letras maiúsculas vs. letras minúsculas
- Falta do ponto-e-vírgula no final de cada instrução
- Fechamento de chaves

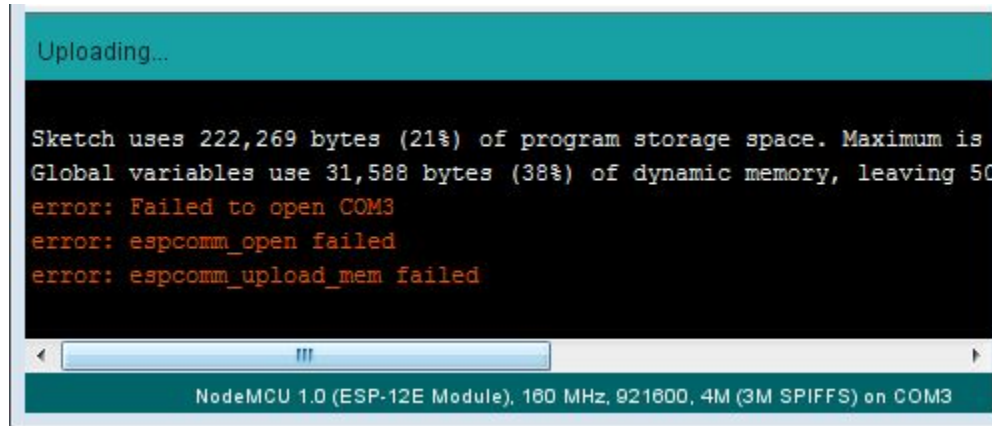
```
expected ';' before '}' token
```

Copiar mensagens de erro

```
exit status 1  
expected ';' before '}' token
```

# Erros de Upload

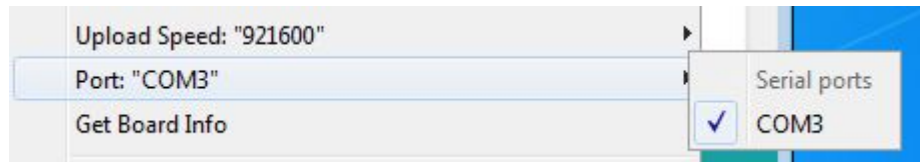
- Problema na seleção da porta Serial



Uploading...

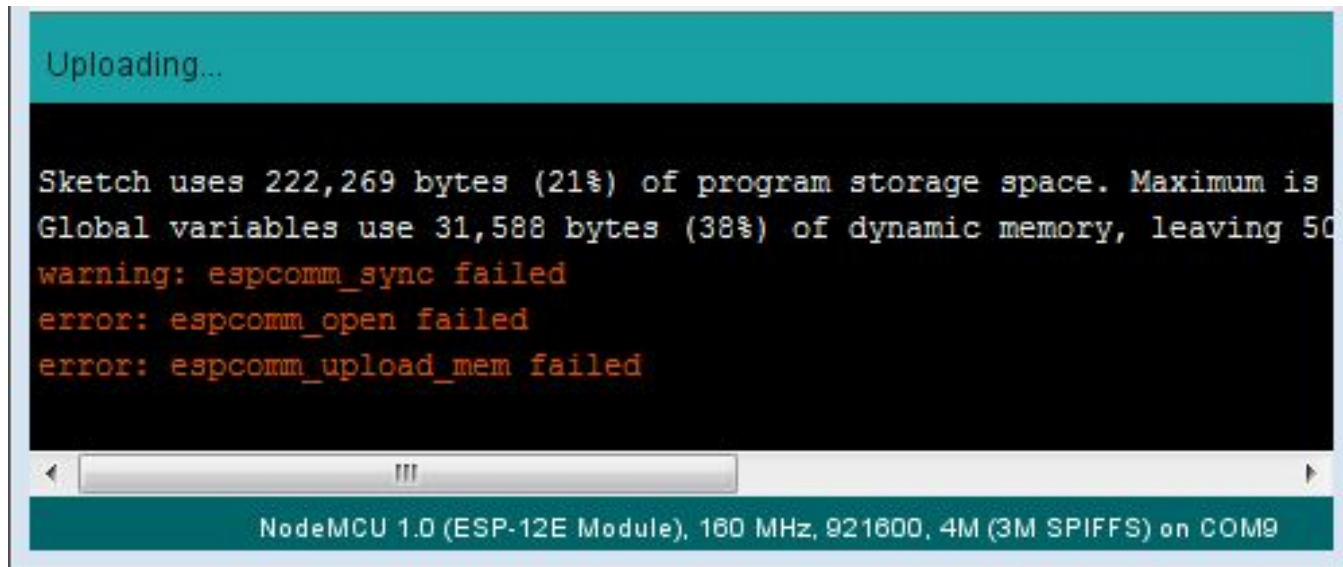
```
Sketch uses 222,269 bytes (21%) of program storage space. Maximum is 1024000 bytes.
Global variables use 31,588 bytes (38%) of dynamic memory, leaving 50312 bytes free.
error: Failed to open COM3
error: espcomm_open failed
error: espcomm_upload_mem failed
```

NodeMCU 1.0 (ESP-12E Module), 160 MHz, 921600, 4M (3M SPIFFS) on COM3



# Erros de Upload

- Problema de comunicação Serial



The image shows a screenshot of an IDE's upload window. At the top, a teal bar contains the text "Uploading...". Below this, a black area displays white text: "Sketch uses 222,269 bytes (21%) of program storage space. Maximum is", "Global variables use 31,588 bytes (38%) of dynamic memory, leaving 50", "warning: espcomm\_sync failed", "error: espcomm\_open failed", and "error: espcomm\_upload\_mem failed". A horizontal scrollbar is visible below the text. At the bottom, a teal bar contains the text "NodeMCU 1.0 (ESP-12E Module), 160 MHz, 921600, 4M (3M SPIFFS) on COM9".

```
Uploading...

Sketch uses 222,269 bytes (21%) of program storage space. Maximum is
Global variables use 31,588 bytes (38%) of dynamic memory, leaving 50
warning: espcomm_sync failed
error: espcomm_open failed
error: espcomm_upload_mem failed

NodeMCU 1.0 (ESP-12E Module), 160 MHz, 921600, 4M (3M SPIFFS) on COM9
```

# Exception Decoder

- Depuração de códigos de erro do ESP8266
- <https://github.com/me-no-dev/EspExceptionDecoder>

```
COM3
Exception code
Exception (29):
epc1=0x40202717 epc2=0x00000000 epc3=0x00000000 excvaddr=0x00000000 depc=0x00000000

ctx: cont
sp: 3ffefb00 end: 3ffefcd0 offset: 01a0

>>>stack>>>
3ffefca0: 00000000 00000000 3ffeebec 402027ee
3ffefcb0: feefeffe feefeffe 3ffeec98 40201810
3ffefcc0: feefeffe feefeffe 3ffeecb0 40202458
<<<stack<<<

ets Jan 8 2013,rst cause:2, boot mode:(3,6)

load 0x4010f000, len 1264, room 16
tail 0
chksum 0x0f
csum 0x0f
~ld
```

# Projetos

- Aulas práticas ensinando projetos completos com ESP8266
- Envie sugestões nos comentários!



# Participe

- Inscreva-se no canal
- Ative as notificações

# Mídias Sociais

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