

NAME

`sem_close` – close a named semaphore

SYNOPSIS

```
#include <semaphore.h>
```

```
int sem_close(sem_t *sem);
```

Link with `-pthread`.

DESCRIPTION

sem_close() closes the named semaphore referred to by *sem*, allowing any resources that the system has allocated to the calling process for this semaphore to be freed.

RETURN VALUE

On success **sem_close()** returns 0; on error, `-1` is returned, with *errno* set to indicate the error.

ERRORS**EINVAL**

sem is not a valid semaphore.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes(7)**.

Interface	Attribute	Value
sem_close()	Thread safety	MT-Safe

CONFORMING TO

POSIX.1-2001, POSIX.1-2008.

NOTES

All open named semaphores are automatically closed on process termination, or upon **execve(2)**.

SEE ALSO

sem_getvalue(3), **sem_open(3)**, **sem_post(3)**, **sem_unlink(3)**, **sem_wait(3)**, **sem_overview(7)**

COLOPHON

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